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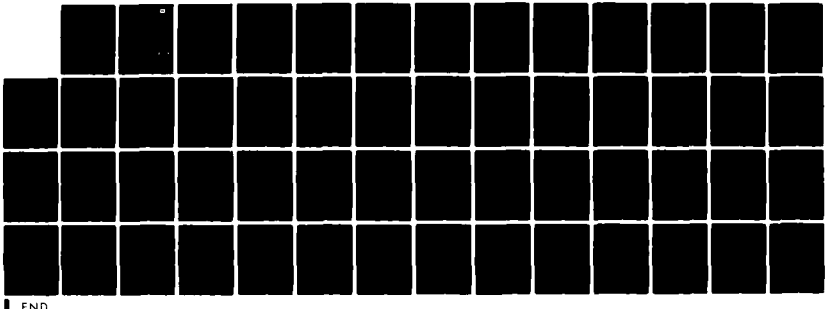

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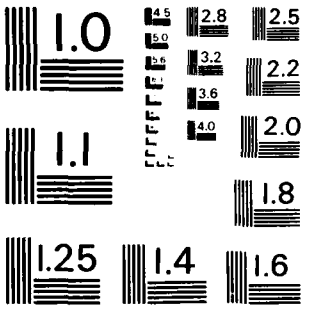

Special Report 83-20

June 1983

US Army Corps of Engineers
Cold Regions Research & Engineering Laboratory

Snow cover and meteorology at Allagash, Maine

1977-1980

Roy Bates

Prepared for
OFFICE OF THE CHIEF OF ENGINEERS

For conversion of SI metric units to U.S./British customary units of measurement consult ASTM Standard E380, Metric Practice Guide, *published by the American Society for Testing and Materials, 1916 Race St., Philadelphia, Pa. 19103.*

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A complete meteorological field station and a snow survey network were set up in the Allagash River Watershed to record baseline conditions prior to construction of the proposed Dickey-Lincoln Dam in the upper St. John River Basin in Allagash, Maine. Nearly three years of daily data (Oct 1977-May 1980) are summarized and compared to long-term climatic conditions for nearby National Weather Service stations. Air temperature values for Allagash are similar to those for the two nearest meteorological stations; water equivalent precipitation amounts and snowfall totals in the Allagash basin are inconsistent with those for nearby meteorological stations.—

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PREFACE

This report was prepared by Roy E. Bates, Meteorologist, Geophysical Sciences Branch, Research Division, U.S. Army Cold Regions Research and Engineering Laboratory. The study was funded by the Office of the Chief of Engineers, Water Resources Support Center under the Civil Works Remote Sensing Research Program, CWIS 31584, Snow Cover Analysis Using Landsat Digital Data.

The U.S. Army Atmospheric Sciences Laboratory (White Sands, New Mexico) meteorological teams based at CRREL, Hanover, New Hampshire, and Maynard, Massachusetts, furnished and assisted in installing the meteorological instrumentation and tabulated the meteorological field data for the Allagash site.

The author thanks Roy Gardner, Physical Sciences Technician, New England Division, U.S. Army Corps of Engineers, Waltham, Massachusetts, who was on site during the three years of the study. His dedication in maintaining and operating meteorological equipment and collecting valuable snow property and snow survey measurements made this report possible. The author also thanks Carolyn J. Merry and Richard K. Haugen of CRREL for their constructive reviews of the report.

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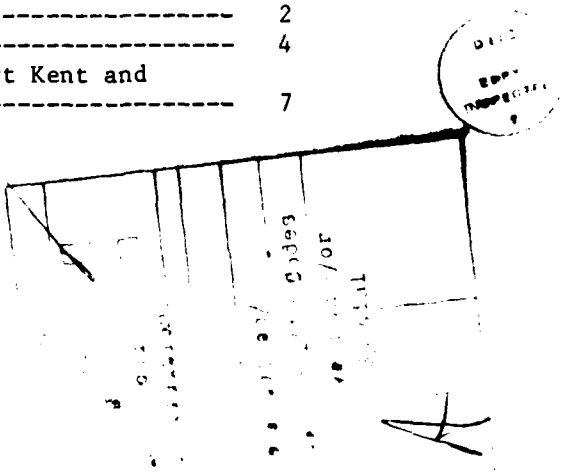


SNOW COVER AND METEOROLOGY AT ALLAGASH, MAINE, 1977-1980

by

Roy Bates

INTRODUCTION

In October 1977 CRREL began collecting data for a project to analyze snow cover in New England using Landsat digital data. The objective of this portion of the study was to examine the physical properties of the snow cover in the proposed watershed for the Dickey-Lincoln Dam in the upper St. John River basin in Allagash, Maine. Eleven snow survey sites (where water equivalent snowfall and snow depth were measured) were selected from 17 initial sites surveyed in the Allagash River watershed (Fig. 1). Table 1 gives the locations and characteristics of the 11 sites. Snow property or pit studies were made at three of these sites according to the methods described in CRREL (1962). Data were collected at all sites for the winters of 1977-78, 1978-79 and 1979-80.

Meteorological instrumentation was installed at site 1 to provide baseline meteorological data for nearly three years prior to construction of the proposed dam. On-site meteorological data were required since it was unknown whether data from Caribou, Maine, the nearest meteorological station with summarized data (80 km east of the Allagash site), would be representative of the area under consideration. The meteorological data collected during this experiment are compared with data from both the Caribou National Weather Service Station and the nearby Fort Kent, Maine, Cooperative Station to see if any similarities existed. These background meteorological and snow-cover data would then serve as a basis for predicting mesoscale climatic changes resulting from the construction of the proposed Dickey-Lincoln hydroelectric project.

This report also describes the measurement equipment and its installation, and summarizes the data. Also, snow-survey sampling techniques and snow property measurements are discussed. The ground-truth data on snow depths and water equivalents in this report were collected for comparison to Landsat digital data for the same dates.

Table 1. Snow observation sites at Allagash.

Site	Latitude/longitude	Elevation (m)	Aspect	Vegetation	Other site characteristics
1	47°05'14"N/69°01'30"W	186	Level	Cleared	Adjacent to meteorological station
3	47°06'17"N/69°09'30"W	305	North	Softwoods	9% slope, sheltered, closed canopy
4	47°07'19"N/69°06'40"W	198	Level	Softwoods	Sheltered, 90% canopy cover
5	47°08'03"N/69°07'26"W	256	Northeast	Mixed	50% open/50% hardwoods, unsheltered
7	47°09'31"N/69°05'17"W	256	Southeast	Hardwoods	15-30% slope
9	47"08'38"N/69°02'49"W	274	Level	Cleared	Old burn scar, swampy area
10	47°03'49"N/69°08'56"W	378	Southeast	Mixed	7-8% slope
11	47°03'47"N/69°09'52"W	396	North	Hardwoods	3-4% slope, 50% open/50% hardwoods
12	47°04'04"N/69°11'06"W	347	Level	Softwoods	Sheltered
13	47°04'44"N/69°10'28"W	268	Level	Cleared	Steep slope with 200-250 ft rise directly east of site, sheltered from east wind
15	47°07'30"N/69°04'08"W	442	Level	Mixed	Highest elevation

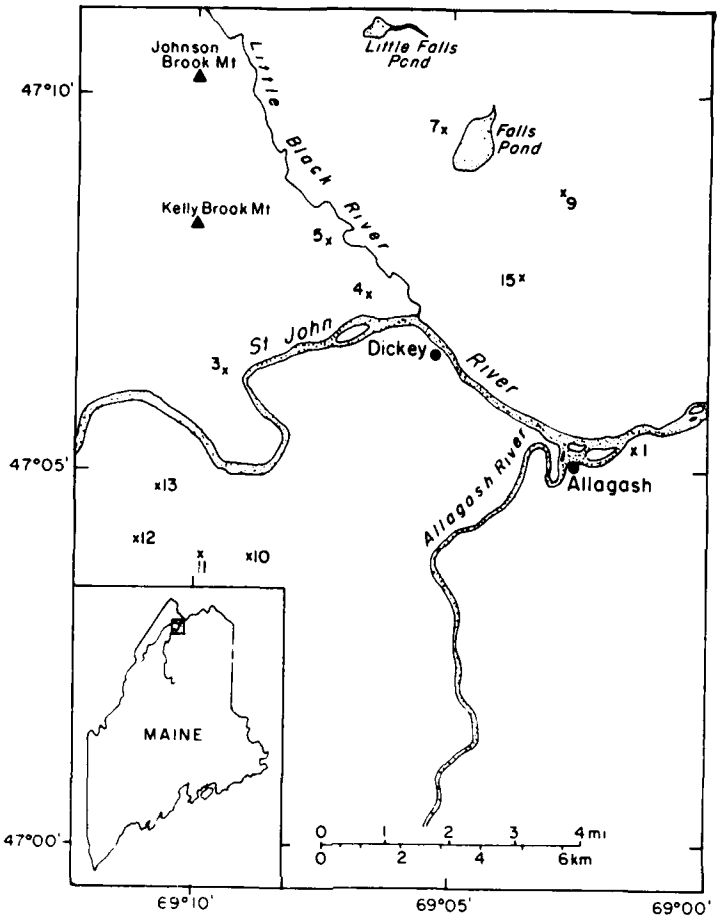


Figure 1. Locations of study sites.

METEOROLOGICAL MEASUREMENTS

In October 1977 CRREL installed a meteorological instrument shelter at site 1 (Fig. 1). The shelter contained maximum and minimum thermometers and a hygrothermograph for recording air temperature and relative humidity. A weighing-type rain gauge was also installed for measuring water equivalent precipitation. Other daily measurements included sky cover, snowfall, snow depth, and duration and type of precipitation. Beginning in October 1978 incident solar radiation and wind speed and direction were also measured except during a six-month period (May-October 1979) when wind data were not obtained due to equipment failure. Data were compiled and tabulated for each day in the 32 months between October 1977 and May 1980

(Appendix A). The results obtained for some of the meteorological parameters are described in the following sections. Due to intermittent problems with some of the instruments, some monthly averages and/or totals are incomplete, preventing exact comparisons with nearby weather stations.

Air temperature

Mean monthly air temperatures computed from daily values (averages of daily maximum and minimum) are compared for the period of record in Table 2 and Figure 2. In Figure 2 these values are compared with the long-term mean monthly air temperature for Caribou, Maine (the nearest first-order climate station with long-term monthly summaries of air temperature values). Mean annual temperatures were computed for the Allagash site for 1978 and 1979 using the monthly means (Table 2), even though the data were incomplete due to equipment failure. Figure 3 compares the mean monthly temperatures in winter at Allagash to those obtained at Caribou and Fort Kent (U.S. Department of Commerce 1977-1980a,b). For both the annual and the winter monthly averages, Fort Kent's air temperatures more accurately represent the Allagash area. Allagash's mean annual temperature for 1978 and 1979 were 1.5° and 3.8°C, respectively; Caribou recorded annual means of 3.6° and 5.4°C, whereas Fort Kent's annual means were 2.3° and 3.9°C for the same period.

Table 2. Allagash temperature summary (°C).

	1977	1978	1979	1980
January		-13.2*	-13.0*	-13.3
February		-13.2	-14.2	-14.0
March		- 7.8	- 1.2	- 7.2
April		0.1*	4.2	3.0
May		8.1*	12.1	9.1
June		14.0*	16.4	
July		16.5	19.0	
August		15.9	14.6	
September		8.3	10.3	
October	3.8*	3.6	6.2	
November	1.2*	- 4.0	0.0	
December	-8.9*	-10.8	- 9.2	
Annual mean		1.5	3.8	

* Average based on incomplete data (see Appendix A).

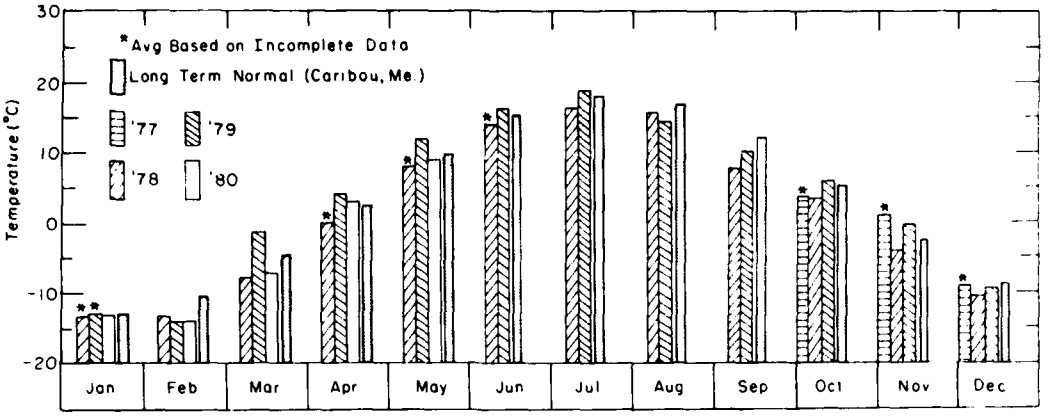
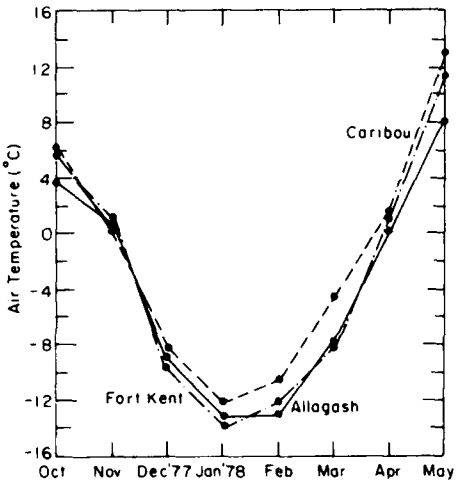


Figure 2. Summary of temperature data from Allagash.



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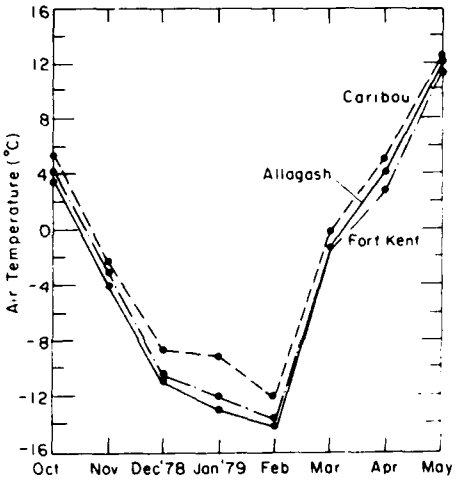
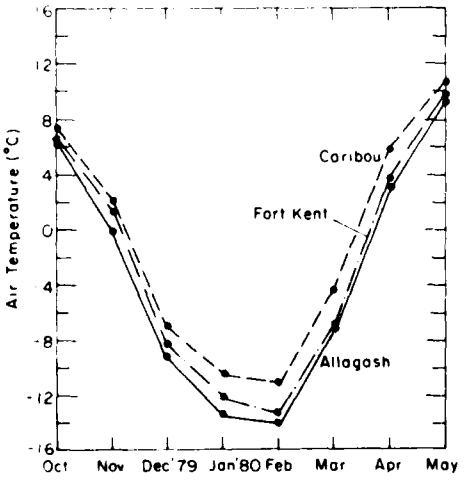


b. 1978-1978.



c. 1979-1980.

Figure 3. Temperature comparisons for Allagash, Fort Kent and Caribou.

Precipitation

The rate, amount, duration and type of precipitation for the upper St. John River are important considerations in the construction of a dam and the subsequent ponding of a large volume of water. Therefore, daily rainfall and water equivalent amounts of frozen precipitation, as well as the duration of precipitation recorded on the rain gauge at site 1, are presented in Appendix A. The type of precipitation was noted by the observer at the site. The winter monthly totals for October 1977-May 1980 are summarized on Figure 4. (Some of these monthly totals are also incomplete due to instrument failure.) Precipitation data from Fort Kent and Caribou (U.S. Department of Commerce 1977-1980a,b) were compared to the data obtained at the Allagash site since monthly and 30-year averages are available for both sites (Table 3). It was hoped that the data for either Fort Kent or Caribou could be substituted for long-term averages of precipitation on the Allagash watershed. Although the long-term monthly averages for Fort Kent and Caribou are essentially equal, monthly variations between October 1977 and May 1980 were as high as 90 mm (July 1978) between the two sites. Similarly neither of the monthly averages from these two sites consistently correlated with the data from the Allagash site. Therefore, unlike temperature, total precipitation amounts at the sites do not show similar trends.

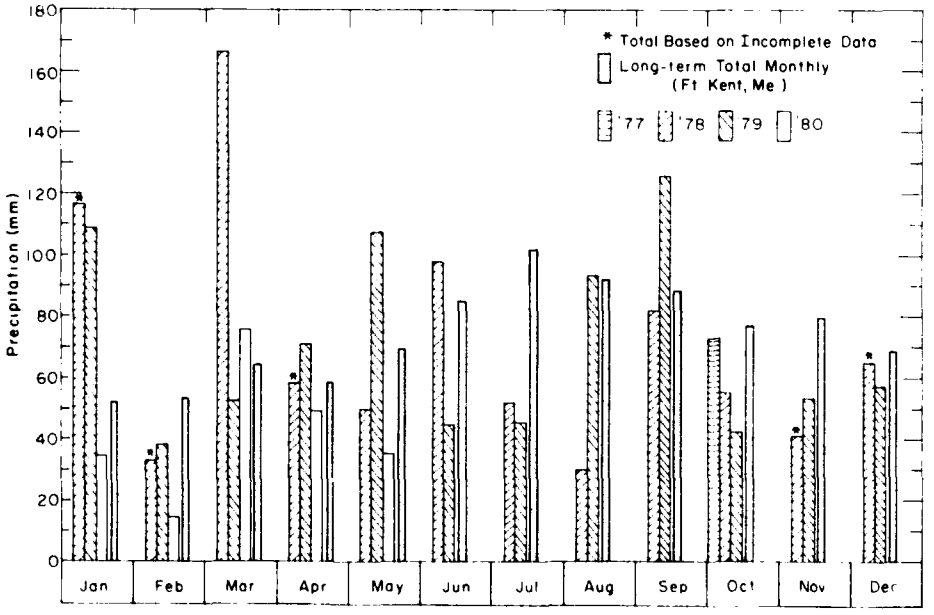


Figure 4. Summary of precipitation data from Allagash.

Table 3. Precipitation data for Allagash, Fort Kent and Caribou (mm).

	Allagash	Fort Kent	Caribou	Fort Kent Long-Term Average	Caribou Long-Term Average
Oct 1977	73.25			81.79	84.07
Nov	M			84.58	88.90
Dec	M			65.53	66.55
Jan 1978	116.50	97.79	129.54	52.32	51.82
Feb	33.00	7.62	6.60	53.09	53.59
Mar	165.75	56.64	68.33	60.45	55.88
Apr	58.25	94.42	59.18	58.65	61.47
May	50.50	25.91	50.29	69.34	75.18
June	95.75	88.65	93.98	85.09	86.61
July	52.00	50.55	141.22	101.85	101.09
Aug	30.50	28.96	49.53	91.95	96.01
Sept	82.10	44.20	69.60	88.39	88.65
Oct	55.50	45.72	49.28	81.79	84.07
Nov	41.50	45.21	46.74	84.58	88.90
Dec	65.25	84.33	77.72	65.53	66.55
Total	846.60	670.00	842.01	813.03	909.82
Jan 1979	108.75	129.54	114.05	52.32	51.82
Feb	38.25	48.01	56.39	53.09	53.59
Mar	52.75	83.31	93.98	60.45	55.88
April	71.50	75.69	78.23	58.65	61.47
May	108.00	109.47	108.46	69.34	75.18
June	45.00	108.97	86.11	85.09	86.61
July	45.50	53.59	85.34	101.85	101.09
Aug	93.50	107.19	126.75	91.95	96.01
Sept	126.00	113.28	118.87	88.39	88.65
Oct	42.40	43.94	42.67	81.79	84.07
Nov	53.75	53.09	73.66	84.58	88.90
Dec	57.40	56.13	77.47	65.03	66.55
Total	842.80	982.21	1061.98	893.03	909.82
Jan 1980	34.50	34.80	49.37	52.32	51.82
Feb	14.50	12.95	20.83	53.09	53.59
Mar	76.25	80.77	80.01	60.45	55.88
April	49.00	45.97	65.28	58.65	61.47
May	35.25	41.15	52.07	69.34	75.18
Total	209.50	215.64	267.56	293.85	297.94

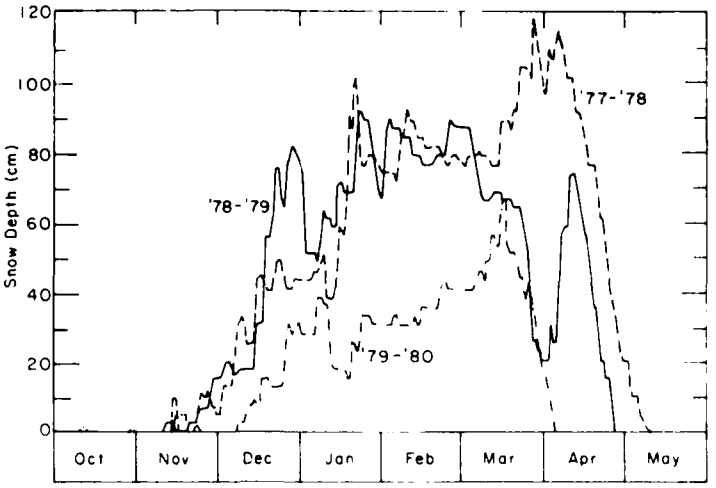
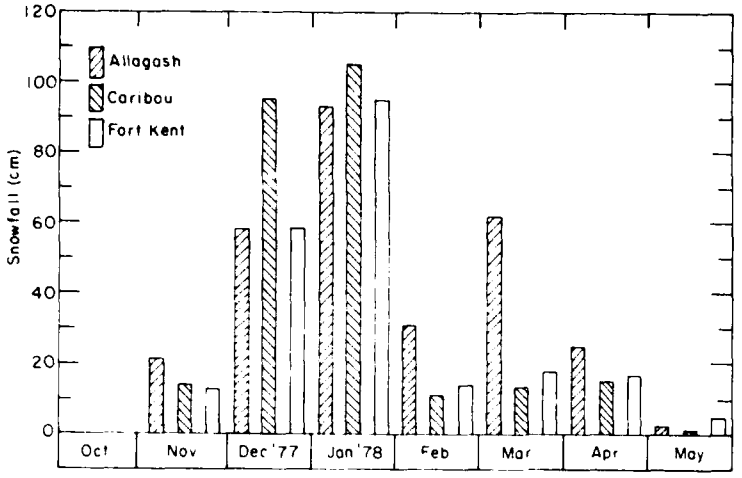


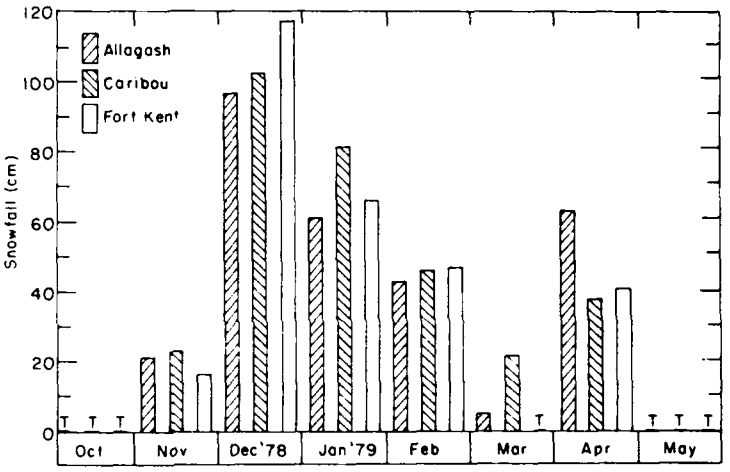
Figure 5. Snow depths for three winters at Allagash.

Snow depths on the ground are plotted in Figure 5 for the three winters. These data show that the first two winters (1977-78 and 1978-79) received approximately the same amount of snow. Despite the similarities in snow depth, the maximum snow depth on the ground in the winter of 1977-78 was 118 cm, while the maximum for the following winter was almost 30 cm less (89 cm). In both winters, snow began to accumulate in mid-November. A severe thaw accompanied by rain in late March 1979 (the maximum daily temperature reached a high of +18.6°C on 23 March; see Appendix A) rapidly depleted the snowcover, causing the discrepancy between the maximum snow depths recorded during the first two winters of measurements.

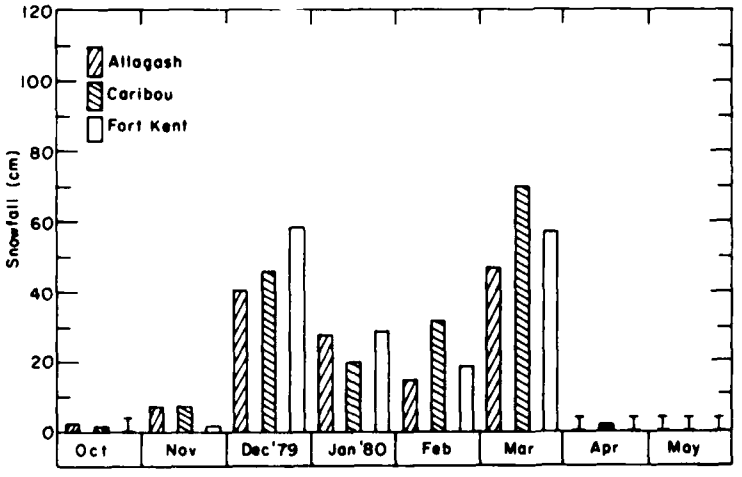
In contrast to the two previous winters, the third winter (1979-30) at Allagash, Caribou and Fort Kent had approximately half the total snowfall. Precipitation amounts (water equivalent) were considerably below the previous two years, especially during January and February (Fig. 4). The monthly winter water equivalent precipitation differed the most from the long-term normal in March 1978, when the water equivalent was greater than twice as much. Since the monthly average air temperatures were similar during the three winters, the lack of snow accumulation in 1979-80 was due primarily to a lack of storm systems reaching the area; this was the trend throughout northern New England (U.S. Department of Commerce 1977-80a). Figure 5 shows that once the snow began to accumulate in early December 1979, it stayed on the ground until the spring thaw, with only one notable midwinter thaw (12 January 1980). Although Allagash recorded more snow



a. 1977-1978.



b. 1978-1979.



c. 1979-1980.

Figure 6. Snowfall comparisons for Allagash, Fort Kent and Caribou. (T = trace).

(both in terms of depth and water equivalent) than most climatic stations in northern New England in the winter of 1979-80 (U.S. Department of Commerce 1977-1980a), snow began to accumulate later, less precipitation fell, and the snow cover melted earlier than in the previous two winters. The total yearly snowfalls at Allagash, Caribou and Fort Kent (Fig. 6) are similar, but the monthly amounts of the two National Weather Service sites are too variable for the sites to be used as substitutes for the Allagash basin.

Wind

Daily average wind speed and prevailing direction at the Allagash site during the study are tabulated in Appendix A. Wind data collection began in late October 1978 and continued until May 1980, except for a six-month interruption due to equipment failure (May-October 1979).

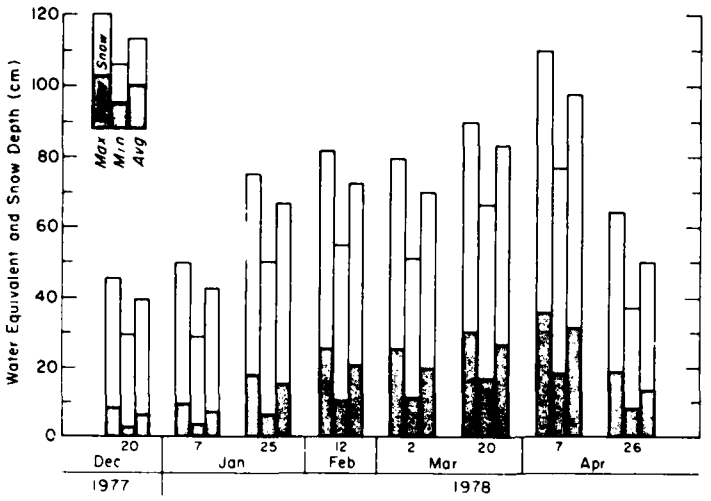
Average monthly wind speeds between 1.1 and 1.7 m/s were recorded during the two years of wind measurements at site 1. These average recorded speeds are not representative of the watershed in winter, because the measurement site was in a valley and sheltered from high winds by conifer trees.

The daily predominant wind direction provides an estimate of the prevailing direction for each month. The direction of the winds during the winter and early spring was variable. The winds tended to blow from a westerly direction (SW through NW) during the winter, shifting to the southeast as spring approached.

However, as with other meteorological parameters, the length and/or incompleteness of records at the Allagash site and the lack of a comparative wind recording station prevented any definite conclusions.

SNOW SAMPLING AND SNOW PROPERTY MEASUREMENTS

A second focus of the study was the snow sampling survey and snow property measurements performed in and around Allagash. Seventeen sites were originally chosen for snow sampling measurements; of these, 11 of the more accessible sites were selected for sampling (Table 1). Their elevations range from 186 m above sea level near the river (in site 1) to 442 m above sea level (site 15). Snow depth and water equivalent were measured



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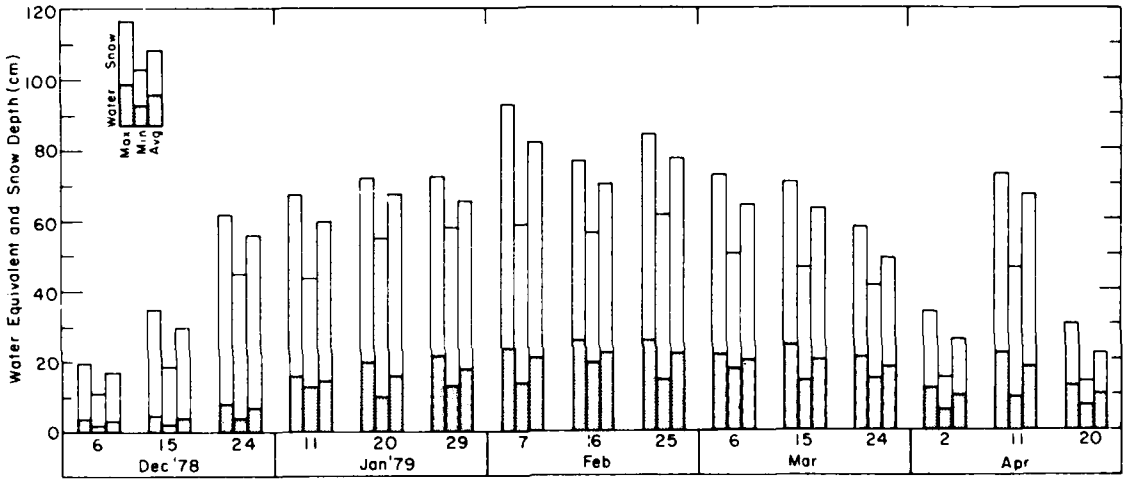

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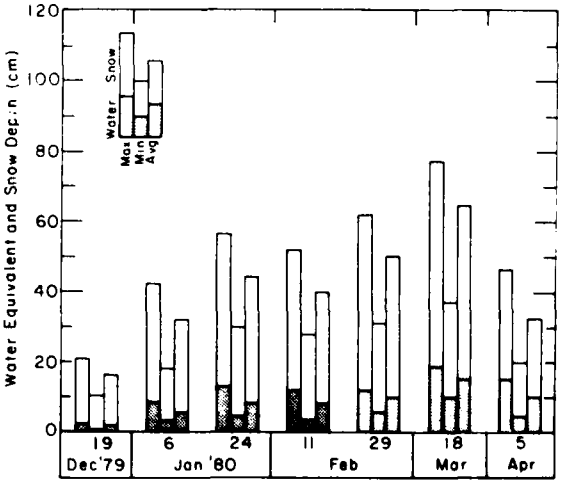
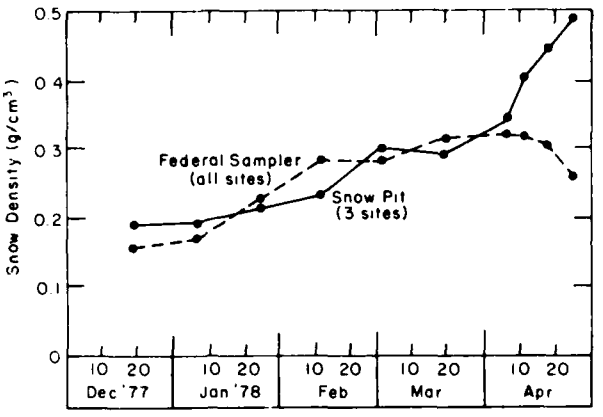
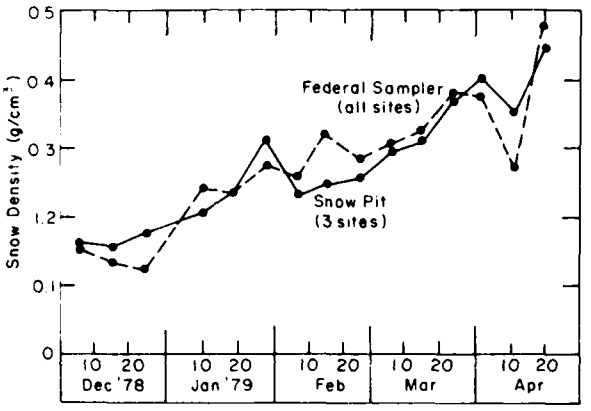


c. 1979-1980.

Figure 7. Water equivalent and snow depths at Allagash.



a. 1977-1978.



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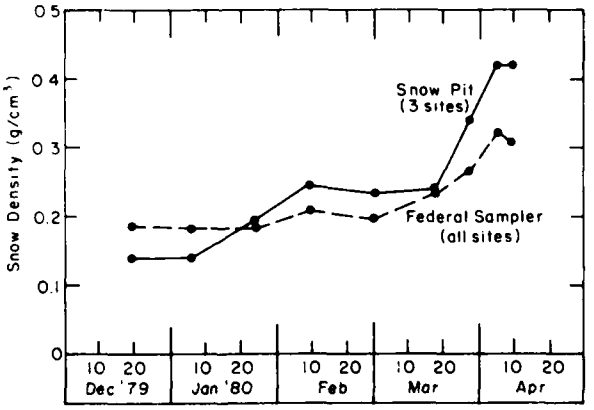

c. 1979-1980.

Figure 8. Average snow density measured in snow pits and density computed from snow survey data.

at least once per month during December, January and February, twice per month during March, and once per week during April until the sites were snow-free. The only exception was site 1, where data were measured on a weekly basis. Snow property data were measured in accordance with CRREL (1962).

So that a future study could test whether Landsat digital data correlated with ground-truth data on snow properties where elevations, slope, aspect and vegetative cover are known, snow measurements were made within a day of the scheduled Landsat overpasses. The ground-truth snow data for the three winters are presented in Figure 7. Appendix B provides a detailed, site-by-site breakdown of snow depth, water equivalent and snow density (density = water equivalent/depth) for each winter.

Appendix B also summarizes the snow densities measured at three snow pit sites (sites 1, 9 and 15). At each of these sites, snow pit density measurements were performed at the same time as the snow sampling survey. Averages of snow density from the three pit sites and from the 11 snow survey sites are plotted in Figure 8. Snow surface characteristics, total snow depth, snow density, temperature, hardness and crystal classification were monitored at each snow pit. The original data are available from CRREL.

SUMMARY

This report examines meteorological data for nearly three years and snow property conditions for three winters in Allagash, Maine. Meteorological variables are compared to nearby climatic stations at Fort Kent and Caribou, Maine. The monthly mean temperature data from Allagash correlated closely with the monthly values from Fort Kent Cooperative National Weather Service Station. The mean annual temperature differences between Allagash and Fort Kent were 0.8° and 0.1°C for 1978 and 1979, respectively; the differences between Allagash and Caribou were 2.1° and 1.6°C.

Few similarities were found between the precipitation data from Allagash and the data from Caribou or Fort Kent. Even though total precipitation for some months was similar, the annual values varied widely. Also, both Fort Kent's and Caribou's annual precipitation totals throughout the test period differed significantly from the long-term normal. A similar lack of correlation also existed in the monthly snowfall amounts.

Even though annual snowfall amounts were similar between sites, the winter of 1978-79 total snowfall amounts at Fort Kent and Caribou differed from the Allagash amounts by 15 and 22%, respectively.

In summary, air temperature values for Allagash are similar to the two nearest meteorological stations: Fort Kent and Caribou; however, water equivalent precipitation amounts and snowfall totals in the Allagash basin are inconsistant with nearby meteorological stations. The meteorological and snow property data presented in this report for the Allagash site, together with concurrent LANDSAT digital data being presented by Merry and Miller (in prep.), will serve as excellent baseline data for climatic assessment if the proposed Dickey-Lincoln hydroelectric project proceeds in the future.

LITERATURE CITED

Merry, C.J. and M.S. Miller (In prep.) Use of Landsat digital data for snow cover mapping in the upper St. John River basin, Maine. CRREL Report.

U.S. Army Cold Regions Research and Engineering Laboratory (1962) Instructions for making and recording snow observations. CRREL Instruction Manual 1.

U.S. Department of Commerce (1977-1980a) New England Climatological Summary. Monthly reports from the National Climate Center, Asheville, N.C., October 1977 - May 1980.

U.S. Department of Commerce (1977-1980b) Local Climatological Data -- Caribou, Maine. Monthly reports from the National Climate Center, Asheville, N.C.

APPENDIX A. Monthly Meteorological Summaries for Allagash, Maine.

OCTOBER 1977

Date	Temperature (°C)			Rel. Humidity %			Dew Point °C	Winds (M/S)		Deg.	Sky Cover	Precip (mm)	Snow Fall (cm)	Snow Depth (cm)	Duration of Precip.		Rad. (W/cm²)
	Max	Min	Mean	Max	Min	Mean		Avg Daily Speed	Peak Gust	Avg Daily Dir					Type	Dur.	
1																	
2																	
3																	
4																	
5																	
6																	
7																	
8																	
9																	
10	13.5	M	M	100	62	81	M										
11	13.0	-2.0	5.5	100	40	70	0.5										
12	9.0	-2.0	3.5	100	88	94	2.5					6.25					
13	9.0	-5.0	2.0	100	35	68	-3.3										
14	6.5	-7.0	-0.5	100	36	68	-5.5										
15	4.5	0.5	2.5	100	100	100	2.5					17.25					
16	4.0	1.0	2.5	100	88	94	1.5										
17	5.0	2.0	3.5	100	100	100	3.5					23.25					
18	6.5	2.0	4.0	100	72	86	2.0					.50					
19	8.0	2.0	5.0	100	70	85	2.8					.50					
20	5.5	4.0	4.5	100	98	99	4.5					13.00					
21	12.0	1.0	6.5	100	45	72	2.0										
22	8.5	-1.5	3.5	100	66	83	1.3					8.50					
23	4.5	-6.0	-1.0	100	38	69	-6.0										
24	6.0	-6.5	0.0	100	36	68	-5.2										
25	16.5	-5.0	6.0	100	43	72	1.5										
26	18.5	3.0	11.0	100	48	74	6.5										
27	15.0	1.0	8.0	100	35	86	2.5					1.50					
28	13.0	-3.5	5.0	100	37	68	-0.5										
29	10.0	-6.5	2.0	100	33	66	-3.5					2.50					
30	10.0	-6.5	2.0	100	32	66	-3.5										
31	14.5	-7.5	3.5	100	32	66	-2.3										
Avg/TOTAL			3.8*			78.0**	0.6*					73.25					

*Avg based on 21 days data
**Avg based on 22 days data

M - Missing

Allagash, Maine
Monthly Meteorological Summary

NOVEMBER 1977

Date	Temperature (°C)			Rel. Humidity %			Dew Point °C	Winds (M/S)		Deg.	Sky Cover	Precip (mm)	Snow Fall (cm)	Snow Depth (cm)	Duration of Liquid Precip.		Rad. (W/cm²)
	Max	Min	Mean	Max	Min	Mean		Avg Daily Speed	Peak Gust	Avg Daily Dir					Type	Dur.	
1	16.5	-6.5	5.0	100	21	60	-2.0										
2	19.0	-5.5	6.5	100	41	70	1.5										
3	21.0	9.0	15.0	m	m	m	m										
4	13.0	2.0	7.5	m	m	m	m										
5	m	m	m	m	m	m	m										
6	6.5	-8.0	-1.5	m	m	m	m										
7	3.5	-9.0	-3.5	m	m	m	m										
8	4.0	-7.0	-1.5	m	m	m	m										
9	15.5	10.5	13.0	m	m	m	m					.25					
10	14.5	10.0	12.0	m	m	m	m					.75					
11	14.5	-6.0	4.0	m	m	m	m					.50					
12	8.0	0.0	4.0	m	m	m	m										
13	m	m	m	m	m	m	m					17.50				m	
14	-2.0	-8.0	-5.0	m	m	m	m						5.1	10.2		10	
15	1.0	-2.0	-0.5	m	m	m	m				Ovc			10.2			
16	2.0	-0.5	1.0	m	m	m	m				Ovc			5.1	rain	2	
17	5.0	1.0	3.0	m	m	m	m				Ovc	m		0.0	rain	2	
18	4.5	-0.5	2.5	m	m	m	m				Sct	m					
19	1.5	-0.5	0.5	97	55	76	-3.2				Clr	m					
20	3.0	-6.5	-2.0	100	53	76	-5.8				Sct	m					
21	4.0	-3.5	0.0	100	62	81	-3.0				Sct	m					
22	2.0	-8.0	-3.0	100	40	70	-7.7				Sct	m					
23	3.5	-9.0	-3.0	100	36	68	-8.0				Ovc	m	5.1	5.1			
24	2.0	-7.0	-2.5	100	80	90	-4.0				Sct	m	5.1	10.2			
25	2.0	-8.5	-3.5	100	62	81	-6.4				Sct	m	1.3	11.4			
26	1.0	-9.0	-4.0	100	78	89	-5.5				Ovc	m	5.1	10.2		8	
27	m	m	m	m	m	m	m				Sct	m		11.4			
28	-5.5	m	m	100	58	79	m				Sct	m		7.6			
29	-3.0	-16.5	-10.0	100	60	80	-12.8				Clr	m		7.6			
30	3.0	-8.0	-2.5	100	58	79	-5.5				Clr	m		5.1			
Avg/TOTAL			1.2*			m	m					m	21.7				

*Avg based on 26 days data

Allagash, Maine
Monthly Meteorological Summary

DECEMBER 1977

Date	Temperature (°C)			Rel. Humidity %			Dew Point °C	Winds (M/S)		Deg.	Sky Cover	Precip (mm)	Snow Fall (cm)	Snow Depth (cm)	Duration of Liquid Precip.		Rad. (W/m²)
	Max	Min	Mean	Max	Min	Mean		Avg Daily Speed	Peak Gust	Avg Daily Dir					Type	Dur.	
1	-0.5	-8.0	-4.0	100	80	90	-5.5				Set	m		5.1			
2	2.0	-1.5	0.0	100	65	82	-2.7				Set	m	7.6	12.7		9	
3	1.5	-5.5	-2.0	100	49	74	-6.0				Set	m		12.7			
4	-3.0	-8.0	-5.5	100	50	75	-9.3				Set	m		12.7			
5	-4.0	-18.0	-11.0	100	45	72	-15.0				Clr	m		12.7			
6	-6.0	-11.0	-8.5	100	83	92	-9.5				Set	m		12.7			
7	-5.5	-8.0	-6.5	100	80	90	-8.0				Ovc	m	12.7	25.4		12	
8	-6.5	-13.0	-9.5	100	68	84	-11.5				Ovc	m	5.1	30.5		6	
9	-8.0	-13.5	-11.0	100	88	94	-11.8				Ovc	m	2.5	33.0		3	
10	-6.5	-18.0	-11.5	99	51	70	-16.0				Clr	m		33.0			
11	-14.5	-26.0	-20.5	90	47	68	-25.0				Clr	m		25.4			
12	-15.0	-31.0	-23.0	90	46	68	-27.3				Clr	m		25.4			
13	-15.5	-34.0	-24.5	92	56	74	-27.7				Clr	0		25.4			
14	-10.0	-24.0	-17.0	100	88	94	-17.7				Ovc	29.50	1.3	26.7		1	
15	-4.5	-10.0	-7.5	100	90	95	-8.0				Ovc	13.50	16.5	43.2		12	
16	-3.0	-16.5	-10.0	100	59	80	-13.0				Ovc	4.75	1.3	44.5		2	
17	-5.0	-14.5	-10.0	100	61	80	-13.0				Ovc			44.5			
18	0.5	-15.0	-7.0	100	76	88	-8.5				Ovc			41.9			
19	-2.0	-16.0	-9.0	100	70	85	-11.0				Ovc			40.6			
20	-3.5	-15.0	-9.5	100	66	83	-11.8				Clr	1.50		40.6		m	
21	-2.0	-18.0	-10.0	100	87	94	-10.8				Ovc	4.75		40.6		m	
22	1.0	-4.5	-2.0	100	89	94	-3.8				Ovc	23.00	7.6	48.3	Sleet	½	
23	0.0	-3.5	-2.0	100	72	86	-4.0				Ovc	m	1.3	49.5	Sleet	3	
24	2.0	-4.5	-1.0	100	68	84	-3.5				Set	m		48.3			
25	3.5	-5.0	-0.5	100	87	94	-1.3				Ovc	m		45.7	Rain	2	
26	m	m	m	m	m	m	m				Ovc	m		40.6	Rn/Sl	6	
27	m	m	m	m	m	m	m				Clr	m		40.6			
28	m	m	m	m	m	m	m				Clr	m		40.6			
29	m	m	m	m	m	m	m				Clr	m	2.5	43.2		4	
30	m	m	m	m	m	m	m				Clr	m		43.2			
31	m	m	m	m	m	m	m				Clr	m		43.2			
Avg/TOTAL			-8.9*			83.6*	-11.3*					m	58.4				

*Avg based on 25 days data

Allagash, Maine
Monthly Meteorological Summary

JANUARY 1978

Date	Temperature (°C) Max	Min	Mean	Rel. Humidity % Max	Min	Mean	Dew Point °C	Winds (M/S) Avg Daily Speed	Peak Gust	Deg. Avg Daily Dir	Sky Cover	Precip (mm)	Snow Fall (cm)	Snow Depth (cm)	Duration of Liquid Precip. Type	Dur.	Rad. (W/cm²)
1	m	m	m	m	m	m	m				Sct	m		43.2			
2	-11.5	-19.0	-15.0	100	79	90	-16.3				Ovc	2.50		43.2		m	
3	-11.0	-20.0	-15.5	100	68	84	-17.5				Sct	1.00	1.3	43.2			
4	-12.0	-19.5	-16.0	100	54	77	-19.0				Clr			43.2		2	
5	-7.0	-16.0	-11.5	100	57	78	-14.7				Sct	1.00	2.5	45.7			
6	-14.0	-28.0	-21.0	94	58	76	-24.0				Clr			45.7		1	
7	-16.0	-30.0	-23.0	94	62	78	-25.7				Ovc			45.7			
8	0.5	-19.0	-9.5	100	91	96	-10.0				Ovc	20.25	2.5	48.3		2	
9	9.0	-11.0	-1.0	100	75	87	-3.0				Ovc	37.25	5.1	50.8	rain	2	
10	-21.0	-19.0	-15.5	78	58	68	-20.0				Sct			38.1	rain	4	
11	-14.0	-22.0	-18.0	90	56	73	-21.5				Sct			38.1			
12	-17.0	-29.0	-23.0	89	56	72	-26.7				Ovc		0.6	38.1			
13	-12.0	-22.0	-22.0	91	48	70	-26.0				Ovc			38.1			
14	-21.0	-16.0	-14.0	96	88	92	-15.0				Ovc	m	2.5	40.6		2	
15	-8.0	-14.0	-11.0	100	80	90	-12.5				Ovc	m	17.8	58.4		10	
16	-11.0	-15.0	-13.0	85	62	74	-16.7				Ovc	m		58.4			
17	-7.0	-27.0	-17.0	95	40	68	-21.5				Clr	m		55.9			
18	-10.0	-22.0	-16.0	100	89	94	-16.7				Ovc	m	5.1	61.0		2	
19	-7.0	-24.0	-15.5	98	59	78	-18.5				Ovc	m	27.9	88.9		9	
20	-15.0	-29.0	-22.0	94	72	83	-24.0				Ovc	m		86.4			
21	-6.0	-22.0	-14.0	96	58	77	-17.2				Ovc	m	15.2	101.6		6	
22	-2.0	-29.0	-15.5	100	56	78	-18.5				Clr	m		96.5			
23	-3.0	-8.0	-5.5	91	60	76	-9.0				Sct	m		83.8			
24	-3.0	-12.0	-7.5	100	78	89	-9.0				Ovc	1.50		76.2			
25	0	-11.0	-5.5	100	85	92	-6.5				Ovc	10.50		76.2			
26	3.0	-3.0	0	100	89	94	-0.5				Ovc	33.00	2.5	78.7		3	
27	0.5	-10.0	-5.0	100	63	82	-7.5				Ovc	9.50	7.6	78.7	rn/sw	8	
28	-7.0	-17.0	-12.0	100	60	80	-14.8				Sct		2.5	81.3		2	
29	-9.0	-15.0	-12.0	100	55	78	-15.2				Sct			78.7			
30	-6.0	-14.0	-10.0	96	79	88	-11.5				Ovc			78.7			
31	-7.0	-12.0	-9.5	100	63	82	-12.0				Ovc			76.2			
Avg/TOTAL			-13.2*			81.5*	-15.7*					116.5**	93.1				

*Avg based on 30 days data
**Incomplete data

Allagash, Maine
Monthly Meteorological Summary

FEBRUARY 1978

Date	Temperature (°C)			Rel. Humidity %			Dew Point °C	Winds (M/S)		Deg.	Sky Cover	Precip (mm)	Snow Fall (cm)	Snow Depth (cm)	Duration of Liquid Precip.		Rad. (W/cm²)
	Max	Min	Mean	Max	Min	Mean		Avg Daily Speed	Peak Gust	Avg Daily Dir					Type	Dur.	
1	-9.0	-23.5	-16.0	95	54	74	-19.5				Ovc			76.2			
2	-11.5	-28.5	-20.0	93	46	70	-24.0				Clr			73.7			
3	-13.0	-33.5	-23.0	92	47	70	-27.0				Clr			73.7			
4	-11.5	-30.0	-21.0	92	49	70	-25.0				Clr			73.7			
5	-9.0	-33.0	-21.0	94	45	70	-25.0				Clr			73.7			
6	-7.0	-32.0	-19.5	100	49	74	-23.0				Ovc			71.1			
7	-5.0	-13.5	-9.0	100	86	93	-10.0				Ovc	24.50	5.1	76.2		3	
8	-6.5	-19.5	-13.0	100	48	74	-16.7				Sct	m	15.2	86.4		8	
9	-8.0	-21.0	-14.5	100	60	80	-17.2				Sct	1.25		83.8		m	
10	-11.0	-32.0	-21.5	96	48	72	-25.2				Clr	m	5.1	91.4		3	
11	-8.0	-31.0	-19.5	100	54	77	-22.5				Clr			91.4			
12	-5.5	-16.5	-11.0	100	54	77	-14.3				Ovc			88.9			
13	-4.0	-24.5	-14.0	100	59	80	-16.7				Sct			86.4			
14	-5.5	-33.0	-19.0	100	79	90	-20.3				Ovc	3.50		83.8		m	
15	-1.0	-7.0	-4.0	100	62	81	-6.8				Ovc			83.8			
16	-2.0	-19.0	-10.5	100	44	72	-14.5				Clr			83.8			
17	-1.0	-25.0	-13.0	100	46	73	-17.0				Clr			81.3			
18	0.5	-16.0	-7.5	100	41	70	-12.0				Ovc			81.3			
19	-4.5	-23.0	-14.0	100	35	68	-18.6				Clr			81.3			
20	-4.0	-25.5	-15.0	100	30	65	-20.0				Clr			81.3			
21	-4.0	-20.0	-12.0	100	44	72	-16.0				Clr			81.3			
22	-1.5	-12.0	-7.0	100	55	78	-10.2				Ovc			81.3			
23	-2.5	-14.5	-8.5	100	44	72	-12.6				m	m	m	m	m	m	
24	1.5	-19.0	-9.0	100	40	70	-13.5				m	m	m	m	m	m	
25	2.0	-23.5	-11.0	100	44	72	-15.0				Sct			76.2			
26	2.0	-8.0	-3.0	100	56	78	-6.3				Ovc			76.2			
27	0.0	-7.0	-3.5	100	64	82	-6.1				Sct	3.75	2.5	78.7		3	
28	-4.5	-15.5	-10.0	100	49	74	-13.8				Ovc	m	2.5	78.7		0	
Avg/TOTAL			-13.2			74.9	-16.7					33.00*	30.4*				

*Incomplete totals

Allagash, Maine
Monthly Meteorological Summary

MARCH 1978

Date	Temperature (°C)			Rel. Humidity %			Dew Point °C	Winds (M/S)		Deg.	Sky Cover	Precip (mm)	Snow Fall (cm)	Snow Depth (cm)	Duration of Precip.		Rad. (W/cm^2)
	Max	Min	Mean	Max	Min	Mean		Avg Daily Speed	Peak Gust	Avg Daily Dir					Liquid Type	Dur.	
1	5.0	-27.0	-11.0	100	44	72	-15.0				Clr			76.2			
2	-4.5	-11.0	-8.0	100	46	73	-12.0				Ovc			78.7			
3	-3.0	-26.0	-14.5	100	36	68	-19.0				Clr			78.7			
4	-5.0	-20.0	-12.5	100	38	69	-17.0				Ovc	Trace	1.3	78.7		1	
5	-10.0	-20.0	-15.0	98	42	70	-19.3				Clr			76.2			
6	-8.5	-14.0	-11.0	100	m	m	m				Ovc	3.50	3.8	80.0		3	
7	-4.0	-14.0	-9.0	100	52	76	-12.5				Ovc			78.7			
8	0.5	-19.5	-9.5	100	27	64	-15.0				Clr			78.7			
9	2.0	-22.5	-10.0	100	35	68	-14.8				Clr			78.7			
10	0.0	-18.5	-9.0	100	40	70	-13.5				Clr			78.7			
11	3.0	-21.5	-9.0	100	45	72	-13.2				Sct			76.2			
12	5.5	-11.5	-3.0	100	37	68	-8.0				Sct			76.2			
13	4.5	-22.5	-9.0	100	25	62	-15.0				Clr			76.2			
14	3.5	-11.0	-4.0	100	35	68	-9.0				Ovc	18.75		6.2			
15	2.5	-5.0	-1.0	100	74	87	-3.0				Ovc		12.7	88.9		4	
16	-3.0	-21.5	-12.0	99	33	66	-16.0				Clr			88.9			
17	-4.5	-28.0	-16.0	100	34	67	-20.7				Clr			88.9			
18	-2.0	-27.0	-14.5	100	35	68	-19.0				Clr			88.9			
19	2.0	-20.5	-9.0	100	64	82	-11.5				Ovc	2.00		86.4			
20	-4.0	-16.5	-6.0	92	30	61	-12.3				Clr	3.50	5.1	91.4		6	
21	-0.5	-19.5	-9.5	100	59	80	-12.3				Ovc	21.50		91.4			
22	-0.5	-7.0	-3.0	100	76	88	-5.0				Ovc	21.75	12.7	104.1		12	
23	4.5	-18.0	-7.0	100	55	78	-10.2				Ovc	23.25		104.1			
24	1.0	-17.0	-8.0	100	53	76	-11.5				Sct	Trace	2.5	104.1		3	
25	-0.5	-12.0	-6.0	100	31	66	-11.3				Clr			104.1			
26	3.5	-19.5	-8.0	100	31	66	-13.4				Sct	10.25		101.6			
27	0.5	-4.0	-2.0	100	94	97	-2.5				Ovc	61.25	16.5	118.1		10	
28	2.0	0.5	1.0	100	80	90	-2.5				Ovc	m	7.6	114.7	rn/s	4	
29	5.0	-4.0	0.5	100	63	82	-3.2				Sct			106.7	rain	2	
30	4.0	-9.5	-3.0	100	36	68	-8.0				Clr			101.6			
31	5.5	-12.0	-3.0	100	34	67	-8.2				Clr			96.5			
Avg/TOTAL			-7.8			73.0*	-11.8*					165.75	62.2				

*30 days data

Allagash, Maine
Monthly Meteorological Summary

APRIL 1978

Date	Temperature (°C) Max	Min	Mean	Rel. Humidity % Max	Min	Mean	Dew Point °C	Winds (M/S) Avg Daily Speed	Peak Gust	Deg. Avg Daily Dir	Sky Cover	Precip (mm)	Snow Fall (cm)	Snow Depth (cm)	Duration of Liquid Precip. Type	Dur.	Rad. (W/cm²)
1	0.5	-16.5	-8.0	100	34	67	-13.0				Sct	m		96.5			
2	0.5	-9.5	-4.5	100	54	77	-7.8				Ovc	m	12.7	109.2		9	
3	0.0	-20.0	-10.0	100	30	65	-15.4				Clr	m		106.7	sleet	1	
4	1.5	-18.0	-8.0	100	39	70	-12.5				Ovc	m		106.7			
5	2.0	-1.5	0.0	100	80	90	-1.4				Ovc	m	5.1	111.8		3	
6	3.5	-3.5	0.0	100	42	71	-4.5				Ovc	m	5.1	114.3	rn/sl	3	
7	8.0	-12.0	-2.0	100	33	66	-7.5				Clr			111.8			
8	7.0	-6.5	0.0	100	33	66	-5.5				Ovc			106.7			
9	4.5	-3.0	1.0	92	46	69	-4.0				Sct			101.6			
10	7.0	-3.0	2.0	100	46	73	-2.4				Sct			101.6			
11	9.5	-7.0	2.0	100	31	66	-3.6				Ovc	9.25		101.6	rain	m	
12	7.0	-3.0	2.0	100	46	73	-2.3				Ovc	m	2.5	91.4	rn/sl	5	
13	9.0	-3.5	3.0	100	53	76	-0.9				Sct	m		91.4			
14	7.0	-1.0	3.0	100	42	71	-1.6				Ovc	m		88.9	rain	3	
15	4.5	-1.5	1.5	100	41	70	-3.3				Ovc	m		86.4	rain	2	
16	8.0	-3.5	3.0	100	30	65	-3.0				Clr	m		83.8			
17	11.0	-8.0	1.5	100	26	63	-4.7				Clr	m		76.2			
18	m	m	m	100	18	59	m				Clr			76.2			
19	m	m	m	m	m	m	m				Clr			73.7			
20	m	m	m	m	m	m	m				Ovc	23.50		68.6	rain	4	
21	m	m	m	m	m	m	m				Ovc	12.75		61.0		m	
22	m	m	m	m	m	m	m				Clr			61.0			
23	m	m	m	m	m	m	m				Sct	6.75		55.9			
24	m	m	m	100	40	70	m				Ovc	6.00		50.8	rain	8	
25	9.0	-3.0	3.0	100	36	68	-2.3				Clr	Trace		40.6	rain	6	
26	10.5	-5.0	3.0	100	36	68	-2.3				Clr			38.1			
27	14.0	-6.0	4.0	100	30	65	-2.0				Clr			33.0			
28	13.0	-5.5	4.0	100	35	68	-1.3				Clr			30.5			
29	11.5	-3.0	4.0	100	32	66	-1.7				Clr			22.8			
30	0.5	-3.5	-1.5	100	51	76	-5.2				Ovc			20.3			
Avg/TOTAL			0.1*			69.5**	-4.7*					58.25***	25.4				

*Avg based on 23 days data **Avg based on 25 days data ***Incomplete data

Allagash, Maine
Monthly Meteorological Summary

MAY 1978

Date	Temperature (°C)			Rel. Humidity %			Dew Point °C	Winds (M/S)		Deg.	Sky Cover	Precip (mm)	Snow Fall (cm)	Snow Depth (cm)	Duration of Liquid Precip.		Rad. (W/cm²)
	Max	Min	Mean	Max	Min	Mean		Avg Daily Speed	Peak Gust	Avg Daily Dir					Type	Dur.	
1	4.5	-4.5	0.0	100	58	79	-3.1				Ovc	1.75	2.5	20.3		?	
2	8.0	1.0	4.5	00	52	76	0.6				Sct			15.2			
3	8.0	0.5	4.0	100	53	76	0.1				Ovc			10.2			
4	10.5	-3.5	3.5	100	33	66	-2.1				Clr			10.2			
5	15.0	-5.5	5.0	100	27	64	-1.1				Clr			7.6			
6	15.5	-5.0	5.0	100	25	62	-1.5				m		m	m	m	m	
7	16.0	-4.5	6.0	100	20	60	-1.0				m		m	m	m	m	
8	21.5	-5.0	8.0	100	16	58	0.5				Clr	3.50		0.0	rain	3	
9	13.5	4.0	5.0	100	35	68	-0.3				Ovc	11.25			rain	5	
10	14.5	5.5	10.0	100	52	76	6.0				Ovc						
11	19.0	0.5	9.0	100	18	59	1.5				Sct						
12	24.5	-3.5	10.5	100	17	58	2.5				Clr						
13	m	-1.0	m	100	16	58	m				Clr						
14	22.0	-1.0	10.5	100	33	66	4.5				m						
15	23.5	4.5	14.0	100	28	64	7.4				Ovc						
16	24.5	0.5	12.5	100	30	65	6.0				Clr						
17	26.0	9.5	15.0	100	62	81	11.8				Ovc						
18	19.5	5.5	12.5	100	48	74	8.0				Sct						
19	17.0	4.5	11.0	100	72	86	8.8				Sct						
20	13.5	3.0	8.5	100	78	89	6.8				Ovc	Trace			rain	?	
21	14.0	2.0	8.0	100	69	84	5.5				Ovc	17.25			rain	4	
22	15.0	0.0	7.5	100	21	60	0.3				Clr	Trace			rain	?	
23	20.0	-3.5	8.5	100	14	57	0.5				Clr						
24	m	-0.5	m	100	19	60	m				Clr						
25	m	4.5	m	100	23	62	m				Clr						
26	m	7.0	m	100	39	70	m				Clr						
27	m	10.0	m	100	26	63	m				Sct						
28	m	12.0	m	100	37	68	m				Clr	4.25			rain	1	
29	m	13.5	m	100	32	66	m				Clr	3.25			rain	1	
30	m	13.5	m	100	32	66	m				Sct	Trace			rain	1	
31	m	11.5	m	100	40	70	m				Clr	9.25					
Avg/TOTAL			8.1*			68.1	2.8*					50.50	2.5				

Avg based on 22 days data

Allagash, Maine
Monthly Meteorological Summary
JUNE 1978

Date	Temperature (°C)			Rel. Humidity %			Dew Point °C	Winds (M/S)		Deg.	Sky Cover	Precip (mm)	Snow Fall (cm)	Snow Depth (cm)	Duration of Precip.		Rad. (W/cm^2)
	Max	Min	Mean	Max	Min	Mean		Avg Daily Speed	Peak Gust	Avg Daily Dir					Liquid Type	Dur.	
1	16.5	4.5	10.5	100	38	69	5.0										
2	21.5	3.5	12.5	100	60	80	9.1										
3	22.0	9.0	15.5	100	36	68	9.6										
4	19.0	6.0	12.5	100	26	63	5.7										
5	m	m	m	m	m	m	m				Ovc	8.00			rain	4	
6	m	m	m	m	m	m	m				Sct						
7	m	m	m	m	m	m	m				Clr						
8	m	m	m	m	m	m	m				Ovc	6.80			rain	4	
9	m	m	m	m	m	m	m				Ovc	1.70			rain		
10	m	m	m	m	m	m	m				Clr						
11	m	4.5	m	100	30	65	m				Ovc						
12	m	14.0	m	100	36	68	m				Clr						
13	m	12.0	m	100	41	70	m				Ovc	17.50			rain	10	
14	11.5	5.0	8.5	100	73	86	6.3				Ovc	18.50			rain	6	
15	13.0	3.0	8.0	100	48	74	3.6				Ovc						
16	24.5	0.0	12.5	100	24	62	5.5				Clr						
17	m	3.5	m	100	24	62	m				Clr						
18	21.0	9.0	15.0	100	53	76	10.8				Ovc						
19	24.5	14.5	19.5	100	70	85	17.0				Ovc				rain	2	
20	18.0	13.5	16.0	100	97	98	15.7				Ovc	15.25			rain	2	
21	22.0	10.0	16.0	100	53	76	11.8				Ovc	Trace			rain		
22	17.0	8.0	12.5	100	81	90	11.0				Ovc	5.75			rain	m	
23	22.0	8.0	15.0	100	43	72	10.0				Clr	Trace			rain	2	
24	20.0	5.5	13.0	100	64	82	10.0				Sct						
25	26.5	8.0	17.5	100	40	70	12.0				Clr	9.50					
26	28.0	11.0	19.5	100	36	68	13.5				Sct				rain	1	
27	25.5	17.0	21.5	100	64	82	18.3				Ovc						
28	25.0	10.0	17.5	100	40	70	12.0				Ovc						
29	26.5	6.0	16.5	100	35	68	10.5				Sct	1.50			rain	m	
30	14.5	10.0	12.5	100	65	82	9.5				Ovc	11.25			rain	2	
Avg/TOTAL			14.0			74.4**	M*					95.75					

*Avg based on 20 days data
**Avg based on 24 days data

Allagash, Maine
Monthly Meteorological Summary

JULY 1978

Date	Temperature (°C)			Rel. Humidity %			Dew Point °C	Winds (M/S)		Deg.	Sky Cover	Precip (mm)	Snow Fall (cm)	Snow Depth (cm)	Duration of Precip.		Rad. (W/cm^2)
	Max	Min	Mean	Max	Min	Mean		Avg Daily Speed	Peak Gust	Avg Daily Dir					Liquid Type	Dur.	
1	11.5	7.0	9.0	100	80	90	7.5				Ove						
2	20.5	5.0	12.5	100	40	70	7.2				Ove						
3	24.0	5.0	14.5	100	30	65	8.0				Clr						
4	26.0	5.5	16.0	100	25	62	8.7				Ove						
5	27.0	4.0	15.5	100	33	66	9.1				Clr						
6	29.5	5.0	17.0	100	32	66	10.5				Sct						
7	24.5	15.0	20.5	100	70	85	17.5				Ove	6.00			rain	1	
8	31.5	14.5	23.0	100	44	72	17.5				Ove	9.25			rain	1	
9	27.5	15.0	21.0	100	60	80	17.5				Ove	3.75			rain	2	
10	27.0	16.0	21.5	100	50	75	17.0				Sct	Trace			rain	1	
11	16.0	7.0	11.5	100	55	78	7.8				Ove						
12	23.5	6.0	15.0	100	28	64	8.3				Clr						
13	28.5	3.5	16.0	100	3	66	9.6				Sct						
14	26.5	11.0	19.0	100	43	74	14.3				Clr						
15	22.0	8.0	15.0	100	69	84	12.5				Clr						
16	26.0	12.5	19.0	100	58	79	15.5				Ove	2.75			rain	1	
17	24.0	8.5	16.0	100	53	76	11.8				Ove						
18	27.0	6.0	16.5	100	32	66	10.0				Clr						
19	22.0	8.0	15.0	100	54	77	11.0				Ove						
20	25.0	14.0	19.5	100	64	82	16.4				Ove						
21	26.0	14.0	20.0	100	42	71	14.5				Clr	Trace			rain	1	
22	30.0	15.0	22.5	100	34	67	16.0				Clr	Trace			rain	1	
23	26.0	11.0	18.5	100	72	86	18.0				Ove	12.00			rain	1.0	
24	23.5	6.0	15.0	100	28	64	8.3				Clr	Trace			rain	1	
25	25.5	4.0	15.0	100	35	68	9.2				Clr						
26	26.5	6.5	16.5	100	49	74	11.8				m	3.50			m	m	
27	28.0	12.0	20.0	100	51	76	16.0				Ove	14.25			rain	1	
28	22.0	7.0	14.5	100	40	70	9.0				Ove	.50			rain	4	
29	24.0	5.0	14.5	100	38	69	8.9				Sct						
30	19.0	3.5	11.0	100	35	68	5.3				Sct						
31	23.0	2.0	12.5	100	m	m	m				Clr						
Avg/TOTAL			16.5			73.0*	11.8*					52.00					

*Avg based on 30 days data

Allagash, Maine
Monthly Meteorological Summary

AUGUST 1978

Date	Temperature (°C)			Rel. Humidity %			Dew Point °C	Winds (M/S)		Deg.	Sky Cover	Precip (mm)	Snow Fall (cm)	Snow Depth (cm)	Duration of Liquid Precip.		Rad. (W/cm^2)
	Max	Min	Mean	Max	Min	Mean		Avg Daily Speed	Peak Gust	Avg Daily Dir					Type	Dur.	
1	19.0	4.0	11.5	100	65	82	8.5				Ovc	1.00			Drizzle	1	
2	28.0	8.0	18.0	100	38	69	12.3				Clr						
3	26.5	10.0	18.0	100	57	78	14.0				Sct	4.50			rain	3	
4	24.5	9.0	17.0	100	35	68	10.8				Ovc	2.00			rain	2	
5	26.5	6.0	16.0	100	34	67	9.9				Clr						
6	27.0	7.0	17.0	100	33	66	10.5				Sct						
7	25.0	5.5	15.0	100	30	65	8.5				Clr						
8	29.0	7.0	18.0	100	35	68	12.0				Ovc						
9	25.5	18.0	22.0	100	50	75	17.4				Clr						
10	23.0	7.0	15.0	100	30	65	8.5				Clr						
11	28.0	4.5	16.0	100	31	66	9.6				Clr						
12	30.0	5.5	18.0	100	26	63	10.8				Clr						
13	29.0	15.5	17.0	100	41	70	11.5				Ovc						
14	27.0	12.0	19.5	100	34	67	13.2				Sct						
15	34.0	7.0	20.5	100	25	62	13.0				Clr						
16	31.5	12.0	22.0	100	40	70	16.2				Clr						
17	29.0	18.0	23.5	100	46	73	18.4				Ovc						
18	29.0	9.0	19.0	100	20	60	11.0				Sct						
19	31.0	5.5	18.0	100	20	60	10.0				Clr						
20	23.0	8.0	15.5	100	43	70	10.0				Ovc	1.00			rain	4	
21	25.0	2.0	13.5	100	28	64	6.8				Clr						
22	31.0	2.0	16.5	100	20	60	8.7				Clr						
23	21.0	4.0	12.5	100	35	68	6.8				Sct						
24	20.0	-1.0	9.5	100	24	62	2.6				Sct						
25	21.0	-3.5	9.0	100	22	61	2.0				Clr						
26	15.0	2.0	8.5	100	54	77	4.8				Ovc						
27	19.5	2.0	11.0	100	30	65	4.6				Clr	Trace			Drizzle	1	
28	20.0	2.0	11.0	m	m	m	m				Sct						
29	21.0	10.0	15.5	100	72	86	13.1				Ovc	22.00			rain	6	
30	24.5	8.0	16.0	100	36	68	10.0				Sct						
31	22.0	5.5	14.0	100	30	65	7.5				Sct						
Avg/TOTAL			15.9			68.0	10.1					30.50					

Allagash, Maine
Monthly Meteorological Summary

SEPTEMBER 1978

Date	Temperature (°C)			Rel. Humidity %			Dew Point °C	Winds (M/S)		Deg.	Sky Cover	Precip (mm)	Snow Fall (cm)	Snow Depth (cm)	Duration of Precip.		Rad (W/cm^2)
	Max	Min	Mean	Max	Min	Mean		Avg Daily Speed	Peak Gust	Avg Daily Dir					Liquid Type	Dur.	
1	24.5	0.0	12.0	100	22	61	4.7				Clr						
2	23.5	4.0	14.0	100	38	69	8.5				Clr						
3	25.5	10.0	18.0	100	46	73	13.0				Ovc	45.00					
4	19.5	5.5	12.5	100	38	69	7.0				Sct				rain	5	
5	15.5	-0.5	7.5	100	35	68	2.0				Clr						
6	6.5	-0.5	3.0	100	100	100	3.0				Ovc	25.20					
7	11.0	0.5	6.0	100	73	86	3.9				Ovc				rain	7	
8	17.0	0.5	9.0	100	28	64	2.5				Ovc						
9	13.5	-0.5	6.5	100	58	79	3.1				Ovc	1.30			drizzle	6	
10	16.0	-0.5	8.0	100	32	66	2.0				Ovc						
11	14.5	4.5	9.5	100	64	82	6.5				Ovc						
12	14.0	5.5	10.0	100	41	70	4.8				Clr						
13	14.0	-0.5	7.0	100	34	67	1.4				Clr						
14	19.0	-2.0	8.5	100	24	62	1.8				Clr						
15	12.0	-0.5	10.0	100	55	78	6.5				Ovc	1.20			rain	2	
16	17.0	0.0	8.5	100	45	72	3.8				Sct	1.20			drizzle	3	
17	13.0	-4.0	4.5	100	32	66	-1.2				Clr	Trace			drizzle	1	
18	14.0	-5.0	4.5	100	30	65	-1.5				Clr						
19	18.0	-5.5	7.0	100	22	61	0.0				Clr						
20	23.0	-4.0	9.5	100	22	61	2.5				Clr						
21	18.0	8.5	14.0	100	90	95	13.3				Ovc	1.40					
22	15.0	-1.0	7.0	100	34	67	1.3				Ovc				rain	5	
23	19.0	-3.5	8.0	100	30	65	2.0				Clr						
24	20.5	-1.0	10.0	100	26	63	3.5				Sct						
25	11.0	-1.0	5.0	100	70	85	2.8				Ovc	5.80					
26	10.0	-3.5	4.0	100	38	69	-1.0				Sct				rain	3	
27	21.5	-1.0	11.0	100	18	59	3.4				Ovc						
28	10.5	-1.5	4.0	100	90	95	3.5				Ovc	1.00					
29	11.0	-4.0	3.5	100	34	67	-2.5				Clr						
30	15.0	-4.5	6.0	100	42	71	1.2				Sct						
Avg/TOTAL			8.3			71.8	3.4					82.10					

Allagash, Maine
Monthly Meteorological Summary

OCTOBER 1978

Date	Temperature (°C)			Rel. Humidity %			Dew Point °C	Winds (M/S)		Deg.	Sky Cover	Precip (mm)	Snow Fall (cm)	Snow Depth (cm)	Duration of Precip.		Rad (W/cm^2)
	Max	Min	Mean	Max	Min	Mean		Avg Daily Speed	Peak Gust	Avg Daily Dir					Type	Dur.	
1	18.0	4.0	11.0	100	52	76	7.0				Ovc	3.00			rain	3	
2	11.5	2.0	7.0	100	54	77	3.3				Ovc	4.00			rain	2	
3	9.0	-4.0	2.5	100	36	68	-2.8				Ovc						
4	9.0	-4.5	2.0	100	46	73	-2.3				Sct	1.25			drizzle	2	
5	12.0	4.5	8.0	100	79	90	3.5				Ovc	1.00			drizzle	1	
6	10.0	8.0	9.0	100	87	94	8.0				Ovc						
7	16.5	1.5	9.0	100	46	73	4.5				Ovc	1.00			rain	2	
8	6.5	-3.0	2.0	100	49	74	-2.1				Ovc	Trace			drizzle	2	
9	4.5	-3.5	0.5	100	41	70	-4.3				Sct						
10	8.0	-5.5	1.0	100	48	74	-3.1				Sct	1.00			sleet	2	
11	15.5	-6.5	4.5	100	31	66	-1.4				Clr						
12	16.0	-3.5	6.0	100	49	74	1.7	2.6	9.3	180	Ovc						14.70
13	9.0	4.5	7.0	100	100	100	7.0	0.5	M	200	Ovc	12.75			rain	1	3.36
14	12.0	3.0	7.5	100	100	100	7.5	1.0	4.1	090	Ovc	24.00			rain	18	4.20
15	12.0	0.5	6.0	100	70	85	3.7	2.1	6.2	270	Ovc	2.00			rain	11	6.30
16	2.5	-4.0	-1.0	100	47	74	-5.0	2.1	6.7	300	Ovc						8.40
17	3.5	-7.0	-2.0	100	40	70	-6.7	1.0	5.1	270	Clr						12.18
18	8.5	-8.5	0.0	100	42	71	-4.6	1.5	8.2	220	Clr	0.75			drizzle	1	17.22
19	5.0	-1.5	2.0	100	81	90	0.5	0.5	M	270	Ovc						7.14
20	8.5	-1.0	4.0	100	54	77	0.4	1.5	6.2	210	Ovc						11.76
21	14.0	4.5	9.0	100	58	79	5.5	2.1	8.2	250	Ovc						14.28
22	19.5	-0.5	9.5	100	45	72	4.8	1.0	4.6	210	Ovc						11.34
23	11.5	-1.0	5.0	100	59	80	2.0	2.6	7.7	330	Ovc						m
24	3.5	-4.0	-0.5	100	33	66	-6.0	2.6	8.2	300	Ovc						17.22
25	8.0	-5.5	1.0	100	36	68	-4.2	1.5	7.2	170	Ovc						10.08
26	11.0	5.5	8.0	100	78	89	6.4	2.1	6.7	200	Ovc	2.00			rain	3	2.94
27	6.0	-3.0	1.5	100	47	74	-2.6	1.5	7.2	310	Ovc	2.75			rain	5	7.56
28	6.0	-4.5	1.0	100	75	88	0.7	0.5	3.6	200	Ovc						6.72
29	3.5	-9.0	-3.0	100	35	68	-8.0	1.5	6.7	310	Sct						18.48
30	6.0	-11.0	-2.5	100	33	66	-8.0	2.6	7.2	200	Clr						14.70
31	10.5	-3.5	-3.5	100	49	74	-7.5	2.1	7.7	220	Ovc						7.56
Avg/TOTAL			3.6			77.4	-0.1	M		M		55.50					M

Allagash, Maine
Monthly Meteorological Summary

NOVEMBER 1978

Date	Temperature (°C)			Rel. Humidity %			Dew Point °C	Winds (M/S)		Deg.	Sky Cover	Precip (mm)	Snow Fall (cm)	Snow Depth (cm)	Duration of Liquid Precip.		Rad. (W/cm^2)
	Max	Min	Mean	Max	Min	Mean		Avg Daily Speed	Peak Gust	Avg Daily Dir					Type	Dur.	
1	7.0	-5.5	0.5	100	31	66	-5.1	1.5	7.2	210	Sct						16.80
2	11.0	-3.5	3.5	100	42	71	-1.3	2.6	9.8	240	Ovc						11.76
3	10.5	-7.0	1.5	100	36	68	-3.6	1.0	3.6	240	Clr						16.38
4	16.5	-6.0	5.0	100	37	68	-0.3	1.5	7.2	230	Clr						15.12
5	11.0	-4.0	3.5	100	33	66	-2.3	0.5	3.1	270	Clr						16.38
6	16.5	0.0	8.0	100	47	74	3.7	2.1	8.2	240	Ovc						10.50
7	7.0	-4.5	1.0	100	64	82	-1.7	1.0	4.6	310	Ovc	2.50			rain	5	5.04
8	7.0	-5.5	0.5	100	44	72	-4.0	1.5	6.7	180	Clr						15.96
9	7.5	-4.5	1.5	100	61	80	-1.5	2.1	6.7	200	Ovc						6.30
10	6.5	-7.0	-0.5	100	34	67	-6.0	0.5	4.1	280	Clr						15.96
11	9.0	-1.0	4.0	100	76	88	2.3	1.0	7.7	270	Ovc	4.50	2.5	2.5	rain	4	8.82
12	-1.0	-13.5	-7.5	100	55	78	-10.6	2.1	9.3	350	Ovc		1.3	2.5	sleet	3	11.34
13	2.0	-15.0	-6.5	100	39	70	-11.0	0.5	M	300	Clr			2.5			9.66
14	8.0	-6.0	1.0	100	100	100	1.0	3.1	9.3	230	Ovc	3.00		2.5	sleet	2	6.09
15	5.5	-9.5	-2.0	100	42	71	-5.5	2.6	7.2	270	Ovc			0	sleet	2	7.98
16	1.5	-10.5	-4.5	100	40	70	-9.1	2.1	6.2	310	Clr						11.76
17	4.5	-13.5	-4.5	100	44	72	-8.8	1.5	6.2	140	Sct	5.00			rain	5	16.38
18	9.0	-0.5	4.0	100	63	82	1.1	3.6	10.3	220	Sct	17.50			rain	10	4.62
19	2.0	-9.0	-3.5	100	63	82	-6.1	2.1	8.2	270	Sct			0			4.62
20	-7.5	-18.5	-13.0	100	55	78	-16.0	2.1	6.2	300	Ovc	3.25	2.5	2.5		2	7.98
21	-9.5	-21.5	-15.5	100	50	75	-19.0	1.0	4.1	310	Ovc			2.5			7.98
22	-4.5	-22.0	-13.5	100	41	70	-17.8	1.0	M	240	Sct			2.5			11.76
23	-1.0	-19.5	-10.5	100	34	67	-15.5	1.0	4.1	140	Sct			2.5			11.34
24	-3.5	-6.5	-5.0	100	61	80	-7.9	0.5	5.1	090	Ovc	M	3.8	6.4		2	1.26
25	-2.0	-9.5	-6.0	100	78	89	-7.5	2.1	7.2	320	Ovc	1.75	2.5	6.4		3	5.04
26	-9.5	-17.0	-13.5	88	50	69	-18.0	3.6	13.4	330	Ovc			6.4			7.98
27	-9.5	-26.0	-18.0	100	44	72	-21.7	1.5	7.2	M	Sct			6.4			M
28	-8.5	-13.0	-11.0	100	84	92	-12.0	calm	6.7	calm	Ovc	4.00	3.8	10.2		2	M
29	-5.0	-21.5	-13.5	100	64	82	-16.0	1.0	9.3	190	Sct	M	5.1	15.2		6	M
30	2.0	-11.0	-4.5	100	61	80	-7.5	2.6	7.2	240	Ovc			15.2			M
Avg/TOTAL			-4.0			76.0	-7.6	1.6		WNW		41.50	21.5				264.81

Total based on 26 days

Allagash, Maine
Monthly Meteorological Summary
DECEMBER 1978

Date	Temperature (°C)			Rel. Humidity %			Dew Point °C	Winds (M/S)		Deg.	Sky Cover	Precip (mm)	Snow Fall (cm)	Snow Depth (cm)	Duration of Liquid Precip.		Rad. (W/m^2)
	Max	Min	Mean	Max	Min	Mean		Avg Daily Speed	Peak Gust	Avg Daily Dir					Type	Dur.	
1	-7.0	-23.0	-15.0	100	45	72	-19.0	1.0	4.1	220	Clr			15.2			4.20
2	-3.5	-23.5	-13.5	100	65	82	-16.0	2.1	6.7	270	Ovc	3.50	2.5	17.8		6	7.56
3	-11.0	-28.5	-20.0	100	63	82	-22.3	0.5	M	250	Clr	M	5.1	20.3		M	13.02
4	1.5	-21.0	-5.5	100	85	92	-6.5	1.0	10.3	100	Ovc	6.00	1.3	20.3	sleet	1	1.26
5	1.0	-3.0	-1.0	100	64	82	-3.7	2.1	8.2	220	Ovc	Trace		17.8	rain	2	4.83
6	4.5	-4.0	-0.5	100	54	77	-4.0	1.5	7.2	240	Sct			16.5			10.08
7	-1.0	-11.5	-6.5	100	47	74	-10.5	2.1	9.3	300	Clr			16.5			8.40
8	-7.5	-11.0	-9.5	100	61	80	-12.4	calm	M	calm	Ovc	4.50	1.3	17.8		1	1.26
9	-8.0	-13.5	-11.0	100	73	86	-13.0	calm	M	calm	Ovc			17.8		3	5.46
10	-9.0	-22.5	-16.0	100	62	81	-18.5	2.6	8.8	220	Ovc			17.8			6.72
11	-14.5	-29.0	-22.0	100	51	76	-25.1	1.5	6.2	210	Clr			17.8			11.76
12	-5.0	-27.5	-16.5	100	64	82	-18.9	1.0	M	240	Clr			17.8			11.34
13	-3.0	-8.0	-5.5	100	100	100	-5.5	1.0	3.1	090	Ovc	5.50		17.8		M	2.52
14	-2.0	-12.0	-7.0	100	88	94	-7.8	1.0	7.2	270	Ovc	4.50	10.2	27.9		11	2.52
15	-6.0	-22.0	-14.0	100	85	92	-15.0	calm	M	calm	Clr		5.1	30.5		2	5.88
16	2.5	-12.5	-5.0	100	73	86	-7.0	1.0	7.2	210	Ovc			30.5			6.30
17	-2.0	-12.0	-7.0	100	100	100	-7.0	1.0	8.2	360	Ovc	M	3.8	33.0		2	1.68
18	-3.5	-17.0	-10.5	100	78	89	-12.0	3.1	12.4	240	Ovc	M	22.9	55.9		10	4.62
19	-10.5	-17.5	-14.0	94	73	84	-16.1	2.6	8.2	270	Ovc			55.9			6.72
20	-5.5	-22.5	-14.0	100	53	76	-17.3	2.1	7.2	250	Ovc			55.9			2.52
21	-9.0	-18.0	-13.5	100	90	95	-14.1	0.5	5.7	190	Ovc	11.25	3.8	59.7		2	.42
22	-9.0	-25.5	-17.5	100	71	86	-19.3	1.0	5.1	220	Clr		15.2	74.9		6	14.28
23	-1.0	-21.0	-11.0	100	74	87	-12.8	1.5	5.7	220	Ovc			74.9			8.82
24	-3.0	-17.0	-10.0	100	60	80	-12.8	0.5	M	200	Clr			67.3			13.86
25	-3.5	-15.5	-9.5	100	91	96	-10.0	1.0	6.2	060	Ovc	16.00		63.5			1.05
26	0.5	-7.0	-3.5	100	100	100	-3.5	calm	M	calm	Ovc	9.50	15.2	73.7		12	4.20
27	-4.0	-9.0	-6.5	100	93	96	-7.0	1.5	5.1	230	Ovc	4.50	7.6	78.7		20	1.05
28	-6.0	-9.0	-7.5	100	90	95	-8.0	1.0	4.1	240	Ovc		2.5	81.3		5	3.36
29	-4.5	-21.5	-13.0	100	75	88	-14.6	0.5	M	250	Ovc			91.3			6.93
30	-7.0	-24.0	-15.5	100	90	95	-16.1	calm	M	calm	Ovc			78.7			7.35
31	-2.5	-21.0	-12.0	100	90	95	-13.6	calm	M	calm	Ovc			76.2			4.83
Avg/TOTAL			-10.8			87.1	-12.6	1.1		SW		65.25	96.5				184.80

Allagash, Maine
Monthly Meteorological Summary
JANUARY 1979

Date	Temperature (°C)			Rel. Humidity %			Dew Point °C	Winds (M/S)		Deg.	Sky Cover	Precip (mm)	Snow Fall (cm)	Snow Depth (cm)	Duration of Liquid Precip.		Rad. (W/cm²)
	Max	Min	Mean	Max	Min	Mean		Avg Daily Speed	Peak Gust	Avg Daily Dir					Type	Dur.	
1	m	m	m	100	m	m	m	1.0	6.2	240	Ovc	7.00		73.7	rain	3	2.52
2	m	m	m	m	m	m	m	calm	m	calm	Ovc	13.75		50.8	rain	6	2.31
3	m	m	m	m	m	m	m	2.1	8.2	230	Ovc	7.00	2.5	50.8	rn/sl	16	2.52
4	m	m	m	m	m	m	m	1.5	5.1	m	Set			50.8			8.40
5	-11.7	-22.5	-17.1	100	63	82	-19.5	2.6	9.8	m	Set			50.8			11.34
6	-7.5	-26.1	-16.8	100	59	79	-19.5	0.5	5.1	m	Set			50.8			12.18
7	-3.9	-22.8	-13.4	100	68	84	-15.5	calm	m	calm	Ovc	3.50		48.3			8.82
8	-4.7	-8.6	-6.7	100	97	98	-7.0	calm	m	calm	Ovc	3.50	7.6	55.9		10	.84
9	m	m	m	100	65	82	m	1.5	5.7	210	Set	1.00	7.6	63.5		20	9.03
10	-11.1	-28.3	-19.7	100	63	82	-22.0	1.5	7.2	210	Set			61.0			8.82
11	-16.7	-36.1	-26.4	93	61	77	-29.3	1.5	8.2	240	Clr			61.0			m
12	-14.7	-36.7	-25.7	92	56	74	-29.0	calm	m	calm	Clr			58.4			9.24
13	-12.2	-30.0	-21.1	100	80	90	-22.4	0.5	m	080	Ovc	1.50		58.4			9.24
14	-2.8	-12.8	-7.8	100	86	93	-8.7	0.5	10.3	090	Ovc	11.25	10.2	68.6		10	2.94
15	-5.6	-26.1	-15.9	86	60	73	-19.5	2.6	12.4	230	Set	m	2.5	71.1		4	9.24
16	-12.8	-32.8	-22.8	92	40	66	-27.5	2.1	9.3	250	Clr			71.1			10.92
17	-18.6	-40.6	-29.6	89	54	72	-33.1	0.5	m	080	Clr			68.6			11.34
18	-16.4	-33.3	-24.9	92	65	78	-27.5	1.5	7.2	340	Ovc	1.25	1.3	68.6		2	12.81
19	-13.9	-39.4	-26.7	92	58	75	-29.9	1.0	612	310	Clr			68.6			m
20	-7.8	-35.6	-21.7	100	42	71	-25.5	0.5	m	240	Set			68.6			10.50
21	-2.2	-25.6	-14.5	100	92	96	-14.5	1.0	6.2	080	Ovc	24.50		68.6			2.52
22	0.3	-7.5	-3.6	100	79	90	-5.0	2.6	8.2	240	Ovc	4.00	22.9	91.4	sleet	20	3.78
23	-4.4	-22.2	-13.3	100	56	78	-16.3	2.1	8.8	240	Clr	Trace	1.3	91.4	sleet	2	10.92
24	-3.3	-25.6	-14.5	100	59	80	-17.2	0.5	m	080	Clr			91.4			14.49
25	1.7	-12.0	-5.2	100	88	94	-6.0	1.5	5.7	070	Ovc	3.00		88.9			3.78
26	2.5	0.3	1.4	100	95	98	1.1	0.5	5.2	080	Ovc	5.00	5.1	88.9	rn/sl	16	4.62
27	2.2	0.3	1.3	100	100	100	1.3	0.5	m	360	Ovc	4.00		86.4	rain	6	2.73
28	3.1	0.6	1.9	100	100	100	1.9	0.5	m	330	Ovc	6.50		78.7	rain	5	3.57
29	3.1	0.3	1.7	100	98	99	1.5	1.0	7.2	330	Ovc	3.00		m	rain	20	2.94
30	3.6	0.8	2.2	98	97	98	2.0	0.5	2.6	220	Ovc	6.50		68.6	rain	10	2.73
31	2.8	-1.9	0.5	97	80	88	-1.2	1.0	4.6	270	Ovc	2.50		66.0	rain	6	6.72
Avg/TOTAL			-13.0**			85.1*	-14.9	1.1		SW		108.75	61.0				201.81

*Avg based on 27 days data

**Avg based on 26 days data

Allagash, Maine
Monthly Meteorological Summary

FEBRUARY 1979

Date	Temperature (°C)			Rel. Humidity %			Dew Point °C	Winds (M/S)		Deg.	Sky Cover	Precip (mm)	Snow Fall (cm)	Snow Depth (cm)	Duration of Liquid Precip.		Rad (W/cm^2)
	Max	Min	Mean	Max	Min	Mean		Avg Daily Speed	Peak Gust	Avg Daily Dir					Type	Dur.	
1	-1.7	-4.7	-3.2	97	88	92	-4.4	1.5	4.1	240	Ovc	10.25	12.7	76.2		8	2.94
2	-3.1	-8.6	-5.9	100	81	90	-7.3	1.5	7.2	270	Ovc	4.75	10.2	86.4		12	2.57
3	-8.9	-11.7	-10.3	100	72	86	-12.0	2.1	5.1	260	Ovc	.50	2.5	88.9		24	4.20
4	-6.7	-9.2	-8.0	100	61	80	-10.9	1.5	6.2	300	Ovc			88.9			M
5	-11.1	-18.6	-14.9	100	64	82	-17.3	2.6	7.7	310	Ovc			86.4			7.77
6	-10.8	-17.8	-14.3	78	49	64	-19.5	3.1	10.3	300	Sct			86.4			19.74
7	-8.3	-18.6	-13.5	93	42	68	-18.1	1.5	8.8	200	Sct			86.4			19.95
8	-9.4	-10.0	-9.7	93	46	70	-14.2	1.0	8.2	310	Ovc			86.4			14.91
9	-15.6	-26.9	-21.3	93	56	74	-24.6	2.6	9.3	320	Ovc			83.8			13.44
10	-17.2	-35.0	-26.1	90	36	63	-31.0	1.5	8.2	330	Clr			83.8			17.64
11	-17.8	-33.3	-25.6	85	34	60	-31.1	2.1	8.8	330	Clr			83.8			M
12	-16.4	-35.0	-25.7	93	48	70	-29.5	0.5	5.7	280	Ovc			78.7			22.26
13	-16.9	-33.1	-25.0	95	42	68	-29.2	1.5	9.8	330	Clr			78.7			12.81
14	-17.5	-29.4	-23.5	89	44	66	-28.0	2.6	12.4	300	Sct			78.7			33.60
15	-15.6	-33.3	-24.5	93	46	70	-28.5	1.5	10.3	330	Clr			78.7			3.36
16	-17.8	-30.0	-23.9	96	40	68	-27.2	2.1	10.8	320	Clr			76.2			17.01
17	-17.9	-33.3	-25.6	85	49	67	-30.0	2.6	10.3	300	Sct			76.2			19.53
18	-11.1	-33.9	-22.5	96	36	66	-27.1	1.5	7.2	240	Clr			76.2			19.32
19	-4.2	-34.2	-19.2	100	22	61	-24.9	1.0	6.7	240	Clr			76.2			16.38
20	-3.1	-21.1	-12.1	100	52	76	-15.5	1.0	6.7	240	Ovc			76.2			13.44
21	3.3	-8.3	-2.5	100	44	72	-6.8	calm	3.6	calm	Ovc	.50	1.3	77.5		3	14.70
22	-1.1	-15.6	-8.4	100	66	83	-10.7	1.0	9.3	330	Ovc	2.75	2.5	78.7		2	10.29
23	4.4	-21.7	-8.7	100	43	72	-13.0	1.5	7.2	150	Clr			78.7			22.26
24	3.3	-3.3	0.0	100	72	86	-2.0	1.5	8.2	240	Ovc	.75	2.5	78.7	rn/sl	4	5.88
25	-2.8	-13.3	-8.1	84	32	58	-15.0	1.0	7.2	330	Clr			78.7			24.99
26	-7.2	-13.3	-10.3	100	64	82	-12.7	0.5	3.6	090	Ovc	6.50	7.6	86.4		10	4.83
27	-4.4	-7.8	-6.1	100	100	100	-6.1	0.5	4.6	270	Ovc	9.50	2.5	88.9		6	4.41
28	8.3	-6.9	0.7	100	38	69	-4.1	M	5.1	240	Sct	2.75	1.3	87.6		12	21.21
Avg/TOTAL			-14.2			73.7	-17.9	1.5		WNW		38.25	43.1				370.44

Allagash, Maine
Monthly Meteorological Summary

MARCH 1979

Date	Temperature (°C)			Rel. Humidity %			Dew Point °C	Winds (M/S)			Sky Cover	Precip (mm)	Snow Fall (cm)	Snow Depth (cm)	Duration of Liquid Precip.		Rad. (W/cm^2)
	Max	Min	Mean	Max	Min	Mean		Avg Daily Speed	Peak Gust	Prevailing Avg Daily Dir					Type	Dur.	
1	-1.7	-9.4	-5.6	98	32	65	-11.0	0.5	5.1	030	Ovc			86.4			19.11
2	-1.0	-8.9	-5.4	100	70	85	-7.5	1.0	5.1	120	Ovc	1.50		86.4	rain	5	12.60
3	3.3	-5.6	-1.2	100	74	87	-2.0	1.0	8.2	260	Ovc			86.4			18.61
4	7.8	-3.3	2.3	100	55	78	-1.2	0.5	3.6	210	Ovc	m		83.8	drizzle	3	14.91
5	8.3	1.1	4.7	100	100	100	4.7	0.5	6.2	210	Ovc			78.7			6.72
6	9.7	1.7	5.7	100	100	100	5.7	1.0	6.7	200	Ovc	10.50		73.7	drizzle	17	5.67
7	5.0	-0.8	2.1	100	77	88	-0.5	calm	3.6	calm	Ovc	2.50		68.6	drizzle	8	7.77
8	5.0	-2.8	1.1	100	55	78	2.2	1.0	7.2	340	Ovc			66.0			11.76
9	6.7	-6.1	0.3	100	47	74	-3.7	0.5	4.6	310	Ovc			66.0			14.70
10	1.7	-8.6	-3.5	100	84	92	-4.6	0.5	6.7	180	Ovc			66.0			5.25
11	1.4	-2.8	-0.7	100	97	98	-1.0	1.0	6.7	270	Ovc	.50	1.3	67.3		2	5.46
12	-2.8	-18.9	-10.9	100	46	73	-14.8	3.1	19.6	300	Sct	m	1.3	68.6	rn/sl	5	16.38
13	-5.3	-21.7	-13.5	100	40	70	-17.8	1.0	7.2	220	Clr	1.00	2.5	68.6		4	21.63
14	6.7	-5.3	0.7	100	80	90	-0.6	2.1	11.3	210	Ovc	4.50		68.6	rain	10	7.35
15	-2.2	-16.7	-9.5	97	52	74	-13.3	2.6	9.3	270	Ovc			66.0			21.21
16	-5.6	-22.2	-13.9	100	43	72	-17.8	1.0	7.2	270	Clr			66.0			26.04
17	-2.5	-21.7	-12.1	100	40	70	-16.5	1.5	9.3	350	Clr			66.0			32.55
18	3.6	-7.8	-2.1	100	66	83	-4.6	1.5	12.4	360	Ovc			66.0			10.29
19	2.8	-3.9	-0.6	100	44	72	-5.0	1.0	7.2	360	Ovc			66.0			8.40
20	6.1	-2.8	1.7	100	56	78	-1.5	1.5	9.3	360	Clr			63.5			23.10
21	13.9	-4.2	4.9	100	39	70	0.0	0.5	6.7	330	Clr			63.5			28.14
22	17.8	-6.7	5.6	100	26	63	-0.8	0.5	4.1	270	Clr			63.5			26.88
23	18.6	-2.8	7.9	100	32	66	2.0	0.5	5.1	240	Sct			58.4			26.46
24	17.8	-3.9	7.0	100	27	64	0.8	1.5	11.8	200	Sct			53.3			32.55
25	8.3	-1.7	3.3	100	94	97	2.8	1.0	7.2	120	Ovc	9.00		50.8	rain	8	6.09
26	4.6	-1.1	1.8	100	74	87	0.0	1.5	9.3	220	Ovc	14.50		33.0	rain	16	5.04
27	-1.2	-9.8	-5.5	100	43	72	-9.7	3.1	11.3	270	Ovc	.50		25.4	rain	4	18.06
28	2.5	-13.1	-5.3	100	30	65	-10.8	1.0	5.6	090	Clr			25.4			34.86
29	3.6	-6.3	-1.3	100	42	71	-5.9	0.5	5.1	030	Ovc	.75		22.9	rain	8	6.51
30	6.7	-1.4	2.3	100	45	72	-2.2	1.0	3.6	210	Clr			22.9			28.14
31	3.3	0.6	2.0	100	81	90	0.5	0.5	3.6	220	Ovc	7.50		20.3	rain	4	5.46
Avg/TOTAL			-1.2			78.8	-4.3	1.1		NW		52.75	5.1				507.70

Allagash, Maine
Monthly Meteorological Summary

APRIL 1979

Date	Temperature (°C)			Rel. Humidity %			Dew Point °C	Winds (M/S)		Deg.	Sky Cover	Precip (mm)	Snow Fall (cm)	Snow Depth (cm)	Duration of Liquid Precip.		Rad (W/cm^2)
	Max	Min	Mean	Max	Min	Mean		Avg Daily Speed	Peak Gust	Avg Daily Dir					Type	Dur.	
1	5.3	-6.9	-0.8	100	44	72	-5.2	1.5	6.7	120	Ovc	.50		20.3	rain	2	24.99
2	7.2	-9.4	-1.1	100	31	66	-6.6	1.0	9.8	240	Ovc	5.50		20.3	rain	5	24.99
3	5.0	-0.3	2.4	100	74	87	0.5	0.5	5.1	270	Ovc	4.00	10.2	30.5		4	14.28
4	7.2	-2.8	2.2	100	26	63	-4.1	1.0	7.2	120	Clr			25.4			33.81
5	0.3	-2.5	-1.1	100	56	78	-4.5	1.0	4.1	220	Ovc	7.50		25.4	sleet	18	10.50
6	2.8	-2.5	0.2	100	100	100	0.2	0.5	4.1	230	Ovc	1.70	7.6	33.0	sleet	16	10.71
7	0.3	-3.6	-1.7	100	84	92	-2.9	2.6	10.3	120	Ovc	1.80	25.4	55.9	sleet	24	17.43
8	0.3	-10.8	-5.3	100	63	82	-7.8	1.0	6.7	020	Ovc	.50	2.5	58.4	sleet	2	17.85
9	5.6	-14.2	-4.3	100	44	72	-8.5	calm	4.6	calm	Sct	3.00		58.4			5.67
10	1.7	-1.4	0.2	100	91	96	-0.2	1.5	6.2	270	Ovc	15.75	12.7	71.1		7	7.35
11	3.1	-2.8	0.2	100	53	76	-3.5	3.1	13.9	300	Ovc	.75	5.1	73.7		6	24.57
12	4.7	-1.4	1.7	100	62	81	-1.2	2.6	10.8	140	Ovc			73.7			21.63
13	13.9	-3.3	5.3	100	41	70	0.3	1.5	9.3	170	Ovc			68.6			34.86
14	14.4	-5.3	4.6	100	28	64	-1.5	1.0	6.7	280	Clr			63.5			40.53
15	8.6	-5.0	1.8	100	52	76	-2.0	1.0	9.8	180	Ovc			58.4			22.05
16	12.5	-1.7	10.8	100	26	63	4.0	1.0	5.7	100	Clr			55.9			41.16
17	7.2	-6.4	0.8	100	36	68	-4.5	1.0	9.3	150	Sct			50.8			23.52
18	7.8	-8.3	-0.5	100	40	70	-6.3	1.0	9.3	090	Clr			40.6			38.01
19	6.1	-2.5	3.6	100	43	72	-1.0	1.0	8.2	210	Sct			35.6			22.47
20	11.9	-5.0	6.9	100	29	64	0.5	1.0	8.8	090	Clr			35.6			43.05
21	17.2	-6.4	10.8	100	18	59	3.2	0.5	5.1	090	Clr			30.5			40.53
22	11.4	-1.1	10.3	100	46	73	5.5	calm	1.5	calm	Ovc			20.3			35.49
23	13.9	-2.5	5.7	100	34	67	0.0	1.0	7.2	010	Ovc	.75		20.3	rain	4	24.15
24	14.7	-3.1	5.8	100	30	65	-0.3	1.0	9.8	040	Sct			15.2			31.50
25	18.3	-4.7	6.8	100	25	62	0.0	1.0	6.2	280	Clr			15.2			38.64
26	23.9	4.4	14.2	100	40	70	8.9	1.5	7.7	300	Ovc	.25		7.6	rain	1	32.97
27	16.9	5.8	11.4	100	66	83	8.5	2.1	17.0	280	Ovc	2.75		0.0	rain	4	15.54
28	15.6	11.1	13.4	100	86	93	12.4	2.1	11.3	250	Ovc	14.75		0.0	rain	6	13.86
29	14.4	7.2	10.8	100	90	95	10.0	calm	6.7	calm	Ovc	11.50		0.0	rain	11	12.81
30	15.6	5.8	10.7	100	60	80	7.5	0.5	7.2	040	Ovc	.50		0.0	rain	3	19.32
Avg/TOTAL			4.2			75.3	0.0	1.2		SE		71.50	63.50				743.94

Allagash, Maine
Monthly Meteorological Summary

MAY 1979

Date	Temperature (°C)			Rel. Humidity %			Dew Point °C	Winds (M/S)		Deg.	Sky Cover	Precip (mm)	Snow Fall (cm)	Snow Depth (cm)	Duration of Precip.		Rad. (W/cm^2)
	Max	Min	Mean	Max	Min	Mean		Avg Daily Speed	Peak Gust	Avg Daily Dir					Type	Dur.	
1	16.9	4.4	10.7	100	56	78	7.0	2.6	6.7	270	Ovc	21.50			rain	8	30.87
2	8.1	3.9	6.0	100	70	85	3.7	2.1	6.2	020	Ovc	.50			rain	3	10.08
3	18.3	1.7	10.0	100	36	68	4.4	1.0	4.1	180	Ovc						40.53
4	9.4	5.6	7.5	100	100	100	7.5	0.5	4.6	280	Ovc	3.00			rain	4	7.35
5	7.8	0.6	4.2	100	40	70	-0.7	2.6	11.3	270	Ovc	1.25			rain	1	28.77
6	11.1	-2.8	4.2	93	21	57	-3.5	5.1	17.0	240	Clr						50.82
7	16.4	-3.1	6.7	100	18	59	-0.7	3.6	9.8	180	Clr						46.41
8	24.2	-4.7	9.8	100	10	55	1.1	1.0	4.1	180	Sct						31.29
9	32.2	5.0	18.6	100	35	68	12.5	2.1	11.3	140	Ovc						26.46
10	17.8	0.6	9.2	100	25	62	2.4	3.1	10.3	180	Clr						39.27
11	20.6	-1.9	9.4	100	21	60	2.0	1.0	5.1	180	Clr						45.57
12	23.9	1.9	12.9	100	36	68	7.0	3.1	8.8	180	Ovc						33.60
13	18.9	11.1	15.0	100	74	87	13.0	1.5	7.2	180	Ovc	1.00			rain	8	16.38
14	21.1	5.0	13.1	100	37	68	7.4	calm	2.6	calm	Sct						23.31
15	25.4	6.7	16.1	100	28	64	9.4	2.1	9.8	180	Ovc						33.18
16	20.6	10.0	15.3	100	66	83	12.5	0.5	5.7	180	Clr						15.12
17	30.1	12.5	21.3	100	20	60	13.1				Clr						47.67
18	28.3	-0.1	14.2	100	19	60	6.6				Clr						42.42
19	28.9	7.8	18.4	100	33	66	12.0				Sct						40.53
20	26.7	8.3	17.5	100	33	66	11.0				Ovc						31.92
21	25.0	12.2	18.6	100	54	77	14.5				Ovc	2.00			rain	4	28.14
22	17.2	1.3	9.3	100	30	65	3.0				Ovc						36.96
23	22.8	0.0	11.4	100	22	61	4.1				Sct						43.05
24	18.6	8.9	13.8	100	40	70	8.5				Ovc						18.90
25	12.4	6.7	9.6	100	46	73	5.0				Ovc	16.75			rain	12	14.07
26	10.0	5.8	7.9	100	100	100	7.9				Ovc	10.50			rain	10	15.12
27	20.0	8.3	14.2	100	48	74	9.7				Ovc	.50			rain	2	30.45
28	14.4	8.8	11.6	100	80	90	10.0				Ovc	11.50			rain	12	8.19
29	13.3	11.1	12.2	100	100	100	12.2				Ovc	14.50			rain	6	7.35
30	14.4	12.2	13.3	100	100	100	13.3				Ovc	22.25			rain	14	9.45
31	15.6	12.0	13.8	100	100	100	13.9				Ovc	2.75			rain	3	13.86
Avg/TOTAL			12.1			74	7.4	M	M			108.00					867.09

Allagash, Maine
Monthly Meteorological Summary

JUNE 1979

Date	Temperature (°C)			Rel. Humidity %			Dew Point °C	Winds (M/S)		Deg.	Sky Cover	Precip (mm)	Snow Fall (cm)	Snow Depth (cm)	Duration of Precip.		Rad (W/cm²)
	Max	Min	Mean	Max	Min	Mean		Avg Daily Speed	Peak Gust	Avg Daily Dir					Liquid Type	Dur.	
1	26.7	10.0	18.5	100	42	71	13.0				Ovc	.50			rain	3	33.81
2	27.8	7.5	17.7	100	34	67	11.5				Ovc	.25			rain	6	40.74
3	24.4	10.0	17.2	100	27	64	10.3				Clr						39.27
4	29.1	11.0	20.1	100	26	63	12.9				Clr	.50			rain	m	37.80
5	29.6	9.1	19.4	100	32	66	12.7				Sct	3.50			rain	m	34.65
6	20.8	4.4	12.6	100	35	68	6.8				Ovc	2.00			rain	4	43.05
7	26.7	1.7	14.2	100	26	63	7.2				Clr						43.89
8	30.6	7.6	19.1	100	48	74	14.4				Sct						33.39
9	22.3	13.1	17.7	100	82	91	16.3				Ovc	2.50			rain	4	11.13
10	24.4	13.4	18.9	100	92	96	18.4				Ovc	m			rain	7	15.96
11	22.2	14.3	18.3	100	71	86	15.9				Ovc	2.50			rain	3	14.49
12	16.0	9.3	12.7	100	100	100	12.7				Ovc	9.50			rain	4	8.61
13	15.2	3.9	9.5	100	48	74	5.1				Ovc				rain	4	36.96
14	23.3	0.0	11.7	100	30	65	5.4				Clr						42.63
15	27.8	14.4	21.1	88	53	70	15.4				Sct						34.86
16	32.8	16.7	24.8	100	40	70	19.0				Clr						45.57
17	29.0	12.8	20.9	100	40	70	15.1				Clr						42.21
18	15.9	7.2	11.6	100	40	70	6.4				Ovc						34.86
19	24.4	2.8	13.6	100	30	65	7.2				Clr						47.04
20	28.8	3.3	16.1	100	23	62	8.9				Clr						48.72
21	30.0	4.4	17.2	100	24	62	9.8				Clr						47.88
22	20.0	7.2	13.6	100	55	78	9.9				Ovc	4.50			rain	1	22.26
23	23.9	12.1	18.0	100	68	84	15.3				Sct	4.50			rain	6	26.67
24	14.2	8.1	11.2	100	90	95	10.5				Sct	3.00			rain	3	13.23
25	16.7	3.3	10.0	100	36	68	4.5				Sct						42.63
26	27.5	2.1	14.8	100	30	65	8.3				Sct						47.04
27	24.4	6.1	15.3	100	40	70	9.8				Ovc	4.00			rain	m	29.19
28	27.7	12.1	19.9	100	40	70	14.3				Sct	5.50			rain	m	43.89
29	27.8	8.1	18.0	100	48	74	13.3				Clr						41.58
30	26.7	13.9	20.3	100	56	78	16.3				Sct	3.00			rain	m	27.72
Avg/TOTAL			16.4			73.3	11.6					45.75					1031.73

Allagash, Maine
Monthly Meteorological Summary

JULY 1979

Date	Temperature (°C)			Rel. Humidity %			Dew Point °C	Winds (M/S)		Deg.	Sky Cover	Precip (mm)	Snow Fall (cm)	Snow Depth (cm)	Duration of Precip.		Rad. (W/cm^2)
	Max	Min	Mean	Max	Min	Mean		Avg Daily Speed	Peak Gust	Avg Daily Dir					Liquid Type	Dur.	
1	23.3	14.4	18.9	100	70	85	16.3				Ovc	2.00			rain	2	27.09
2	26.1	13.3	19.7	100	55	78	15.8				Ovc	5.00			rain	4	33.39
3	22.8	3.9	13.3	100	42	71	8.2				Clr	3.00			rain	6	31.08
4	18.3	1.1	9.7	98	37	68	4.0				Clr						37.17
5	18.3	2.8	10.6	97	46	72	5.7				Sct						47.46
6	21.7	4.4	13.1	100	33	66	6.9				Clr						46.20
7	26.7	10.0	18.3	95	33	64	11.3				Clr						30.45
8	30.0	12.2	20.8	100	37	68	14.6				Sct						37.80
9	32.2	11.1	21.7	100	34	67	15.3				Sct						40.32
10	32.8	12.2	22.5	100	32	66	15.8				Clr						39.06
11	27.8	12.2	20.0	100	58	79	16.4				Sct	4.50			rain	2	20.79
12	28.9	12.2	20.6	100	55	78	16.6				Sct					2	31.29
13	29.4	8.3	18.9	100	34	67	12.6				Clr						42.00
14	28.3	12.8	20.6	100	46	73	15.5				Clr						34.23
15	30.0	17.8	23.9	100	45	72	18.5				Sct						40.95
16	23.3	12.2	17.8	100	100	100	17.8				Ovc	25.50			rain	4	14.49
17	23.9	4.4	14.2	100	38	69	8.5				Ovc						35.91
18	26.7	5.6	16.1	100	28	64	9.4				Clr						49.14
19	29.4	8.9	19.2	100	27	64	12.3				Clr						46.83
20	28.3	8.9	18.6	100	35	68	12.5				Clr						37.17
21	28.9	10.0	19.4	100	36	68	13.4				Ovc						41.37
22	30.0	6.1	18.1	100	32	66	11.7				Clr						40.11
23	25.6	7.8	16.7	100	30	65	10.1				Clr						46.83
24	33.3	11.1	22.2	100	34	67	15.8				Clr						36.33
25	32.8	16.1	24.4	100	45	72	19.0				Sct						38.43
26	33.3	16.7	25.0	100	44	72	19.6				Ovc	4.50			rain	2	35.07
27	24.4	14.4	19.4	100	67	84	16.6				Clr						26.04
28	28.9	16.1	22.5	100	50	75	17.8				Sct						32.13
29	27.8	9.4	18.6	100	45	72	13.5				Sct						39.48
30	32.2	8.9	20.6	100	28	64	13.5				Clr						39.69
31	32.2	16.7	24.4	100	44	72	19.0				Ovc						19.95
Avg/TOTAL			19.0			71.5	13.7					45.50					1117.45

Allagash, Maine
Monthly Meteorological Summary

AUGUST 1979

Date	Temperature (°C)			Rel. Humidity %			Dew Point °C	Winds (M/S)		Deg.	Sky Cover	Precip (mm)	Snow Fall (cm)	Snow Depth (cm)	Duration of Liquid Precip.		Rad (W/cm^2)
	Max	Min	Mean	Max	Min	Mean		Avg Daily Speed	Peak Gust	Avg Daily Dir					Type	Dur.	
1	27.2	5.6	16.4	100	43	72	11.3				Ovc	7.00			rain	2	32.13
2	26.7	8.3	17.5	100	60	80	14.0				Ovc						28.56
3	29.4	11.1	20.3	100	40	70	14.6				Ovc	5.50			rain	3	43.68
4	31.1	11.7	21.4	100	36	68	15.1				Clr						41.37
5	30.0	12.2	21.1	100	41	70	15.4				Sct						32.34
6	20.0	2.2	11.1	100	52	76	7.0				Ovc	7.00			rain	3	29.19
7	24.4	10.0	17.2	100	35	68	11.2				Clr						37.17
8	25.6	3.3	14.4	100	46	73	9.6				Ovc	1.00			rain	2	15.53
9	18.9	0.0	9.4	100	35	68	3.9				Ovc	4.50			rain	3	42.63
10	17.2	5.0	11.1	100	52	76	7.0				Ovc	Trace			rain	2	22.26
11	21.7	0.6	11.1	100	40	70	5.9				Clr						38.85
12	18.3	5.6	11.9	100	40	70	6.6				Ovc	Trace			rain	2	29.19
13	12.2	3.3	7.8	100	100	100	7.8				Ovc	7.00			rain	6	9.03
14	20.6	6.7	13.6	100	74	87	11.5				Ovc	8.00			rain	4	23.52
15	17.8	3.3	10.6	100	68	84	8.0				Ovc	9.00			rain	2	23.52
16	21.1	0.0	10.6	100	40	70	5.4				Ovc	0.50			rain	1	40.53
17	22.8	2.2	12.5	100	40	70	7.2				Ovc						34.65
18	22.2	7.2	14.7	100	44	72	9.7				Ovc	Trace			rain	2	34.86
19	13.3	10.0	11.7	100	100	100	11.7				Ovc	5.50			rain	2	9.66
20	18.9	11.7	15.3	100	80	90	13.6				Ovc	4.00			rain	2	18.48
21	21.7	9.4	15.6	100	66	83	12.8				Ovc						22.05
22	22.2	5.0	13.6	100	52	76	9.5				Ovc	2.50			rain	1	27.30
23	27.2	6.1	16.7	100	34	67	10.5				Clr						37.38
24	21.7	12.8	17.2	100	87	94	16.2				Ovc	0.50			rain	1	11.34
25	23.9	10.0	16.9	100	100	100	16.9				Ovc	23.50			rain	5	17.43
26	24.4	6.7	15.6	100	46	73	10.8				Clr						41.16
27	16.7	10.0	13.3	100	100	100	13.3				Ovc	1.50			rain	2	6.72
28	23.3	10.6	16.9	100	70	85	14.3				Ovc	3.50			rain	3	22.05
29	25.0	11.7	18.3	100	66	83	15.4				Ovc						23.10
30	26.1	7.8	16.9	100	54	77	12.8				Ovc	3.00			rain	3	32.97
31	20.0	-1.1	10.6	100	32	66	4.5				Clr						39.48
Avg/TOTAL			14.6			78.6	10.8					93.50					868.13

Allagash, Maine
Monthly Meteorological Summary

SEPTEMBER 1979

Date	Temperature (°C)			Rel. Humidity %			Dew Point °C	Winds (M/S)		Deg.	Sky Cover	Precip (mm)	Snow Fall (cm)	Snow Depth (cm)	Duration of Precip.		Rad (W/cm^2)
	Max	Min	Mean	Max	Min	Mean		Avg Daily Speed	Peak Gust	Avg Daily Dir					Liquid Type	Dur.	
1	20.6	1.7	11.1	100	53	76	7.0				Clr						23.73
2	30.6	14.4	22.5	100	36	68	16.3				Clr						35.91
3	25.6	9.4	17.5	100	58	79	13.9				Ovc	3.00			rain	2	31.29
4	19.4	1.7	10.6	100	38	69	5.3				Ovc						35.07
5	26.1	2.2	14.2	100	34	67	8.2				Clr	1.00			rain	2	35.70
6	22.8	11.7	17.2	100	90	95	16.4				Ovc	0.50			rain	1	11.34
7	18.3	2.2	10.3	100	48	74	5.9				Ovc	51.50			rain	8	25.20
8	17.2	0.6	8.9	100	52	76	4.9				Ovc						23.10
9	15.6	1.7	8.6	100	50	75	4.5				Ovc						27.93
10	13.3	1.1	7.2	100	68	84	4.8				Sct						11.76
11	13.9	5.6	9.7	100	66	83	7.0				Ovc	13.00			rain	10	17.22
12	18.9	1.1	10.0	98	48	73	5.4				Ovc	9.50			rain	2	27.30
13	22.8	1.1	11.9	98	40	69	6.4				Clr						30.45
14	21.7	6.1	13.9	100	81	90	12.3				Ovc	45.00			rain	18	8.61
15	18.3	1.7	10.0	98	44	72	5.2				Sct	2.00			rain	3	29.61
16	17.8	0.0	8.9	98	42	71	4.0				Sct						31.29
17	23.9	1.7	12.8	95	24	60	5.2				Ovc	1.50			rain	1	28.14
18	25.6	7.8	16.7	100	54	77	12.5				Clr						28.56
19	8.9	-3.9	2.5	100	36	68	-2.8				Ovc						13.44
20	11.7	-3.3	4.2	96	28	62	-2.5				Sct						27.09
21	20.0	3.3	11.7	95	46	70	6.4				Ovc						22.26
22	14.4	-4.4	5.0	96	68	82	2.2				Ovc	7.00			rain	4	31.29
23	13.9	-5.0	4.4	95	74	84	2.0				Clr						34.23
24	18.9	-5.6	6.7	92	65	78	3.2				Clr						30.24
25	.7	-2.2	7.2	97	40	68	1.7				Sct						14.91
26	.2	-3.9	6.7	98	55	76	1.0				Sct	1.00			rain	1	21.63
27	18.3	-4.4	6.9	98	40	69	1.6				Clr						29.40
28	22.8	5.6	14.2	M	M	M	M				Clr						19.74
29	12.8	6.1	9.4	M	M	M	M				Ovc						11.76
30	12.8	5.6	9.2	M	M	M	M				Ovc						7.35
Avg/TOTAL			10.3			74.6*	5.8*					126.00					725.55

*Avg based on 27 days data

Allagash, Maine
Monthly Meteorological Summary

OCTOBER 1979

Date	Temperature (°C)			Rel. Humidity %			Dew Point °C	Winds (M/S)		Deg.	Sky Cover	Precip (mm)	Snow Fall (cm)	Snow Depth (cm)	Duration of Liquid Precip.		Rad. (W/cm²)
	Max	Min	Mean	Max	Min	Mean		Avg Daily Speed	Peak Gust	Avg Daily Dir					Type	Dur.	
1	11.7	5.6	8.7	100	82	91	7.4				Ovc						8.82
2	18.3	8.9	13.6	100	38	67	7.6				Ovc	5.70			rain	3.5	21.21
3	18.9	-1.1	8.9	100	90	95	8.2				Ovc						3.84
4	12.8	1.1	7.0	100	70	85	4.6				Ovc						10.92
5	18.9	7.2	13.1	100	70	85	10.6				Ovc	6.30			rain	7	9.03
6	19.4	10.6	15.0	100	44	72	10.0				Ovc						8.61
7	16.1	2.2	9.2	100	42	71	4.3				Sct	6.30			rain	6.5	16.59
8	18.3	4.4	11.4	100	86	93	10.3				Ovc	2.50			rain	3	2.94
9	8.9	0.0	4.5	100	62	81	1.5				Ovc						7.56
10	2.8	-4.4	-0.8	100	43	72	-5.2				Sct	Trace	1.3	1.3			12.81
11	4.4	-3.3	0.6	100	37	68	-4.6				Ovc						36.12
12	8.9	-7.2	0.9	100	52	76	-2.8				Clr	1.30			rain	1	24.15
13	6.7	-4.4	1.2	100	80	90	-0.3				Sct	2.50			rain	2	5.46
14	7.8	-1.7	3.1	100	51	76	-0.7				Sct						12.81
15	5.6	-2.8	1.4	100	53	76	-2.3				Ovc						10.29
16	6.1	-4.4	0.9	100	48	74	-3.2				Sct						18.69
17	6.7	-7.8	-0.6	100	31	66	-6.1				Clr						23.73
18	12.2	-2.2	5.0	100	36	68	-0.5				Ovc						17.85
19	11.1	-6.7	2.2	100	24	62	-4.3				Clr	3.80			rain	1	22.68
20	12.8	-6.7	3.1	100	62	81	0.2				Ovc						7.98
21	15.0	7.8	11.4	100	75	88	9.5				Ovc						10.50
22	20.6	10.0	15.3	100	64	82	12.2				Ovc						M
23	23.9	9.4	16.7	100	47	74	12.0				Ovc						M
24	26.7	6.7	16.7	100	69	84	14.0				Sct	11.40			rain	3	M
25	20.6	4.4	12.5	100	52	76	8.4				Ovc						M
26	6.7	-0.6	3.1	96	47	72	-1.5				Sct						M
27	4.4	-2.2	1.1	100	66	83	-1.5				Sct						M
28	3.3	-1.7	0.8	100	54	77	-2.7				Ovc	1.30			rain	1	M
29	5.6	-0.6	2.5	100	100	100	2.5				Ovc	1.80	1.3	1.3			3.78
30	4.4	0.0	2.2	100	80	90	0.6				Ovc						4.62
31	5.6	-2.8	1.4	100	50	75	-2.5				Sct						11.34
Avg/TOTAL			6.2			78.7	2.8					42.40	2.6				

Allagash, Maine
Monthly Meteorological Summary

NOVEMBER 1979

Date	Temperature (°C)			Rel. Humidity %			Dew Point °C	Winds (M/S)		Deg.	Sky Cover	Precip (mm)	Snow Fall (cm)	Snow Depth (cm)	Duration of Precip.		Rad. (W/cm^2)
	Max	Min	Mean	Max	Min	Mean		Avg Daily Speed	Peak Gust	Avg Daily Dir					Liquid Type	Dur.	
1	14.4	-6.1	4.1	100	24	62	-2.4	calm	5.7	calm	Sct						11.34
2	10.6	-2.5	4.1	100	78	89	2.5	2.1	8.8	240	Ovc	1.75			rain	8	3.78
3	5.0	-1.1	1.9	100	100	100	1.9	calm	2.6	calm	Ovc	8.00			rain	11	2.52
4	5.0	-2.2	1.4	100	72	86	-0.5	1.0	6.2	260	Ovc	.50			rain	6	8.82
5	5.6	-5.6	0.0	100	43	72	-4.4	1.5	5.7	290	Ovc	.25			rain	6	7.98
6	7.2	-5.6	0.8	100	46	73	-3.5	calm	4.6	calm	Clr						8.82
7	4.7	-3.1	0.8	100	66	83	-1.7	calm	calm	calm	Sct						4.83
8	5.8	-3.1	1.4	100	58	79	-1.9	1.5	7.2	250	Sct						3.99
9	5.8	-1.1	2.4	100	34	67	-3.0	2.6	8.8	260	Sct	1.50			rain	3	8.40
10	12.5	-0.6	6.0	100	72	86	3.9	3.1	8.2	250	Ovc	13.00			rain	8	4.62
11	4.4	-1.4	1.5	100	50	75	-2.4	1.0	3.1	290	Ovc						1.26
12	0.3	-3.6	-1.7	100	78	89	-3.2	calm	4.1	calm	Ovc						0.00
13	3.9	-4.4	-0.3	100	56	78	-3.7	1.0	6.2	180	Ovc						2.35
14	0.6	-1.7	-0.6	100	100	100	-0.6	calm	3.6	calm	Ovc						2.73
15	-0.6	-7.2	-3.9	100	45	72	-8.1	2.6	7.2	270	Ovc	2.50	2.50	2.5		9	5.04
16	-0.8	-10.6	-5.7	100	77	88	-7.4	2.1	6.7	310	Ovc	2.00	2.50	5.1	sleet	8	2.73
17	0.6	-10.8	-5.1	100	61	80	-8.0	2.1	7.2	310	Ovc	1.00	2.50	5.1		6	2.52
18	-3.3	-13.3	-5.5	100	34	67	-10.7	3.6	9.8	330	Clr			5.1			10.08
19	1.1	-16.7	-7.8	100	42	71	-12.0	1.0	3.6	110	Clr			5.1			7.64
20	-1.1	-11.4	-6.3	100	65	82	-8.9	1.5	3.6	110	Ovc	1.25		2.5	sleet	6	2.52
21	3.6	-2.2	0.7	100	81	90	-0.6	calm	3.1	calm	Ovc	1.00		2.5	sleet	9	5.46
22	0.0	-3.3	-1.3	100	100	100	-1.3	calm	2.1	calm	Ovc	.25		2.5	rain	1	4.83
23	0.3	0.0	0.2	100	100	100	0.2	1.5	3.6	110	Ovc	5.25		1.3	rain	2	2.10
24	3.1	0.3	1.7	100	100	100	1.7	1.0	2.1	080	Ovc						2.94
25	7.8	-1.1	3.4	100	66	83	0.7	1.0	4.6	270	Sct						5.04
26	8.9	2.8	5.9	100	100	100	5.9	2.1	4.1	120	Ovc	3.00			rain	5	1.26
27	10.6	3.9	7.3	100	63	82	4.5	M	M	M	Ovc	12.50			rain	6	7.98
28	5.8	-2.2	1.8	100	54	77	-1.8	5.7	17.0	250	Ovc						5.04
29	2.8	-5.6	-1.4	100	56	78	-4.7	4.1	12.9	300	Ovc						5.67
30	-1.7	-9.2	-5.5	100	46	73	-9.6	3.6	10.3	270	Ovc						6.93
Avg/TOTAL			0.0			82.7	-2.6	1.6		WNW		53.75	7.50				154.22

Allagash, Maine
Monthly Meteorological Summary

DECEMBER 1979

Date	Temperature (°C)			Rel. Humidity %			Dew Point °C	Winds (M/S)		Deg.	Sky Cover	Precip (mm)	Snow Fall (cm)	Snow Depth (cm)	Duration of Liquid Precip.		Rad. (W/cm²)
	Max	Min	Mean	Max	Min	Mean		Avg Daily Speed	Peak Gust	Avg Daily Dir					Type	Dur.	
1	-0.1	-12.2	-6.2	100	46	83	-8.6	1.5	7.7	270	Ovc						5.67
2	-5.0	-14.2	-9.6	100	50	75	-13.2	1.5	7.2	270	Clr						6.09
3	-1.1	-8.6	-4.8	92	50	71	-9.2	3.6	11.3	250	Sct						5.46
4	-1.4	-8.1	-4.8	100	69	84	-7.0	3.1	8.8	260	Ovc						3.78
5	-2.5	-11.4	-7.0	100	54	77	-10.4	1.0	6.7	240	Sct						4.83
6	7.2	-3.3	2.0	100	52	76	-1.7	1.5	10.8	260	Sct						5.46
7	8.9	-3.6	2.7	100	70	85	0.5	1.5	6.2	270	Sct	1.50			rain	4	5.46
8	0.3	-13.9	-6.8	100	62	81	-9.5	2.6	14.9	300	Ovc	3.75	2.5	2.5		3	1.05
9	-9.7	-18.9	-14.3	100	58	79	-17.0	2.1	8.8	300	Clr	.50		2.5	sleet	4	6.51
10	-13.6	-21.4	-17.5	98	50	74	-21.0	2.1	7.7	M	Clr			2.5			5.88
11	-11.4	-18.9	-15.2	98	88	93	-16.1	1.5	4.1	M	Ovc	4.50	2.5	5.1		5	0.21
12	5.0	-11.7	-3.4	100	74	87	-5.3	2.1	7.7	M	Ovc	1.25	2.5	7.6	rain	3	1.05
13	-10.8	-21.9	-16.4	100	52	76	-19.6	1.0	7.7	M	Clr	.25		7.6	sleet	2	6.93
14	-11.1	-14.4	-12.8	100	78	89	-14.3	calm	3.6	calm	Ovc	.75	2.5	8.9		4	2.73
15	-9.4	-25.6	-17.5	98	64	81	-20.0	1.5	8.8	270	Clr			7.6			7.56
16	-0.8	-8.9	-4.9	97	64	80	-7.8	2.1	7.7	270	Ovc	2.25		7.6		2	5.46
17	-12.2	-20.6	-16.4	92	70	81	-18.9	2.1	10.3	340	Ovc	6.25	7.6	15.2		7	3.36
18	-18.6	-27.8	-23.2	90	62	76	-26.2	1.5	7.7	M	Clr			15.2			6.51
19	-14.4	-32.8	-23.6	91	56	74	-27.0	0.5	3.6	280	Clr			15.2			5.46
20	-11.1	-33.3	-22.2	96	56	76	-25.3	calm	1.0	calm	Ovc			12.7			5.67
21	-3.3	-25.6	-14.5	100	52	76	-17.8	1.0	6.2	270	Ovc			12.7			5.67
22	-1.1	-18.3	-9.7	100	54	77	-13.0	calm	4.1	calm	Sct			12.7			5.88
23	0.6	-6.9	-3.2	100	92	96	-3.7	calm	1.5	calm	Ovc	3.00		12.7	rain	4	3.15
24	1.1	-0.8	0.2	100	100	100	0.2	calm	calm	calm	Ovc	1.25		10.2	rain	4	3.15
25	-0.6	-0.8	-0.7	100	100	100	-0.7	1.0	5.7	110	Ovc	22.25	7.6	17.8		20	0.00
26	0.0	-1.7	-0.9	100	100	100	-0.9	1.0	4.6	080	Ovc	8.00	10.2	27.9		12	2.10
27	-0.8	-5.6	-3.2	100	81	90	-4.6	2.6	8.8	320	Ovc	3.25	2.5	30.5		6	1.47
28	-4.2	-6.7	-5.5	89	61	75	-9.2	4.1	10.3	340	Ovc			27.9			6.51
29	-1.1	-6.1	-3.6	100	56	78	-6.9	2.6	9.8	340	Ovc			27.9			5.88
30	-5.0	-11.7	-8.4	94	63	78	-11.5	3.1	9.3	330	Ovc	.50	2.5	30.5			3.36
31	-5.3	-21.1	-13.2	100	55	78	-16.2	1.0	4.1	270	Ovc			30.5			6.93
Avg/TOTAL			-9.2			82.1	-11.7	1.6		WNW		57.25	40.4				139.23

Allagash, Maine
Monthly Meteorological Summary

JANUARY 1980

Date	Temperature (°C)			Rel. Humidity %			Dew Point °C	Winds (M/S)		Deg.	Sky Cover	Precip (mm)	Snow Fall (cm)	Snow Depth (cm)	Duration of Precip.		Rad. (W/cm^2)
	Max	Min	Mean	Max	Min	Mean		Avg Daily Speed	Peak Gust	Avg Daily Dir					Liquid Type	Dur.	
1	-5.8	-10.6	-8.2	100	50	75	-11.9	calm	2.1	calm	Clr			27.9			4.62
2	-6.4	-21.9	-14.2	100	58	79	-17.0	1.0	3.1	300	Ovc			27.9			4.62
3	-12.8	-27.2	-20.0	100	52	76	-23.1	1.5	7.7	310	Sct			27.9			5.46
4	-9.2	-28.1	-18.7	100	38	69	-22.9	1.5	6.7	300	Clr			27.9			5.67
5	-11.9	-28.9	-20.4	100	55	78	-23.2	1.0	6.7	300	Clr			27.9			4.62
6	-10.3	-29.4	-19.9	100	46	73	-23.5	calm	3.6	calm	Clr			27.9			5.25
7	-0.8	-26.1	-13.5	100	73	86	-15.4	2.6	11.3	270	Ovc	4.50	10.2	38.1		10	1.26
8	-4.4	-14.4	-9.4	91	56	74	-13.2	3.6	11.3	260	Ovc			38.1			4.83
9	-7.2	-24.4	-15.8	100	43	72	-19.6	2.1	9.8	270	Ovc			38.1			5.04
10	-10.0	-31.7	-20.1	100	44	72	-23.8	1.0	7.2	280	Clr			35.6			4.20
11	7.8	-21.7	-14.8	100	79	90	-16.0	2.1	13.9	200	Sct	6.25		35.6	rn/sl	12	2.15
12	7.8	-15.6	-11.7	100	44	72	-14.9	4.1	15.4	270	Sct	9.50		20.3	rn/sl	4	6.09
13	-8.3	-18.3	-13.3	74	29	52	-21.0	1.5	7.2	270	Sct			17.8			6.30
14	1.9	-10.3	-4.2	100	52	76	-7.9	2.1	8.2	270	Ovc	2.00		17.8	rain	4	7.14
15	1.7	-12.8	-5.6	100	41	70	-10.2	2.1	6.7	360	Sct			17.8			5.67
16	-5.0	-8.9	-7.0	100	44	72	-11.3	1.0	4.1	M	Clr			17.8			5.25
17	-6.1	-23.3	-14.7	100	74	87	-16.2	1.0	4.1	090	Sct			17.8			5.88
18	0.6	-6.1	-2.8	100	92	96	-3.4	calm	2.6	calm	Ovc			15.2			3.57
19	0.6	-1.1	-0.3	100	100	100	-0.3	calm	2.1	calm	Ovc	1.00		15.2	rain	4	1.47
20	-0.6	-15.3	-8.0	100	48	74	-11.9	3.1	10.3	330	Ovc	6.00	7.6	25.2		5	1.47
21	-15.3	-18.3	-16.8	73	49	61	-22.5	2.6	10.3	300	Ovc			22.9			6.93
22	-8.6	-23.1	-15.9	78	31	54	-23.0	1.5	6.7	090	Clr			22.9			6.09
23	-7.5	-11.7	-9.6	100	92	96	-10.1	1.5	5.7	110	Ovc	4.00	2.5	25.2		16	1.47
24	-8.6	-22.2	-15.4	100	66	83	-17.6	3.1	10.8	240	Ovc	1.25	7.6	33.0		4	7.14
25	-13.9	-21.9	-17.9	81	54	68	-22.4	2.1	9.8	270	Clr			33.0			8.82
26	-7.2	-18.1	-12.7	83	48	66	-17.8	2.1	9.3	M	Clr			33.0			7.56
27	-4.4	-15.6	-10.0	100	49	74	-13.8	1.5	9.8	M	Sct			33.0			8.61
28	-4.4	-18.9	-11.7	100	44	72	-15.8	1.5	7.7	270	Clr			30.5			8.82
29	-10.0	-19.7	-14.4	87	47	67	-19.2	2.1	8.2	250	Clr			30.5			7.56
30	-12.8	-25.0	-18.9	100	52	76	-22.0	2.6	11.8	300	Ovc			30.5			9.03
31	-24.2	-26.1	-25.2	100	55	78	-28.0	1.0	7.2	120	Ovc			30.5			8.40
Avg/TOTAL			-13.3			75.4	-16.7	1.7		WNW		34.50	27.9				171.99

Allagash, Maine
Monthly Meteorological Summary

FEBRUARY 1980

Date	Temperature (°C)			Rel. Humidity %			Dew Point °C	Winds (M/S)		Deg.	Sky Cover	Precip (mm)	Snow Fall (cm)	Snow Depth (cm)	Duration of Liquid Precip.		Rad. (W/cm^2)
	Max	Min	Mean	Max	Min	Mean		Avg Daily Speed	Peak Gust	Avg Daily Dir					Type	Dur.	
1	-10.3	-21.3	-16.8	100	64	82	-19.1	2.1	9.3	100	Ovc			30.5			8.19
2	-11.7	-19.7	-15.7	92	56	74	-19.3	1.5	5.7	130	Ovc			30.5			9.66
3	-8.6	-17.2	-7.9	100	64	82	-10.5	1.5	5.1	060	Ovc			30.5			9.24
4	-10.3	-20.0	-15.2	100	61	80	-17.8	1.0	5.7	130	Ovc			30.5			9.45
5	-6.9	-18.1	-12.5	100	81	90	-13.8	1.5	5.7	150	Ovc	1.25	2.5	33.0			3.15
6	-2.5	-23.3	-12.9	100	38	69	-17.4	0.5	4.6	150	Sct			33.0		6	10.50
7	-6.7	-26.9	-16.8	100	100	100	-16.8	0.5	5.5	250	Ovc			30.5			10.50
8	-3.3	-24.2	-13.8	100	47	74	-17.5	0.5	5.1	150	Sct			30.5			10.71
9	-4.7	-29.2	-16.9	100	33	66	-21.7	0.5	6.7	060	Clr			30.5			11.34
10	-8.3	-28.9	-19.1	100	54	77	-22.2	1.0	6.2	280	Ovc			30.5			15.33
11	M	M	M	M	M	M	M	0.5	4.6	150	Clr			30.5			11.76
12	-3.1	-21.7	-12.4	100	44	72	-16.5	0.5	4.1	140	Clr			30.5			8.40
13	-6.1	-26.1	-16.1	100	48	74	-19.6	2.1	8.8	200	Ovc	.25		33.0		2	11.34
14	-2.5	-24.4	-13.5	100	43	72	-17.5	2.1	8.8	200	Sct			30.5			10.71
15	-5.0	-36.1	-20.0	100	48	74	-23.5	2.6	8.2	190	Clr			30.5			12.60
16	-9.2	-22.8	-16.0	100	79	90	-17.3	calm	3.1	calm	Ovc	7.00	5.1	35.6		8	7.14
17	-10.6	-20.0	-15.3	100	65	82	-17.7	2.6	9.3	180	Ovc			35.6			2.94
18	-5.6	-21.7	-13.7	100	58	79	-16.6	3.1	12.4	120	Ovc			35.6			9.66
19	-0.3	-9.4	-4.9	100	43	72	-9.2	4.1	12.9	120	Ovc			35.6			10.08
20	2.5	-13.3	-5.4	100	55	78	-8.6	0.5	5.1	050	Ovc			35.6			7.77
21	0.7	-11.1	-5.2	100	26	63	-11.1	1.5	11.8	220	Ovc			35.6			10.71
22	-3.6	-30.7	-17.2	100	21	60	-23.1	0.5	4.1	210	Clr	1.50	2.5	38.1		3	12.60
23	-2.2	-22.2	-12.2	100	50	75	-15.8	1.0	4.1	210	Ovc	2.50	2.5	40.6		6	12.81
24	-2.2	-25.3	-13.8	100	54	77	-17.0	1.0	5.7	060	Ovc	.75	2.5	43.2		7	11.55
25	-1.1	-17.8	-9.5	100	43	72	-13.6	1.5	10.3	130	Clr	1.25	2.5	43.2		6	15.33
26	-11.9	-30.0	-21.0	100	36	68	-25.3	1.5	8.2	200	Clr			40.6			16.38
27	M	M	M	M	M	M	M	0.5	4.1	180	Sct			40.6			16.38
28	-9.4	-22.8	-16.1	100	40	70	-20.3	1.0	6.2	270	Clr			40.6			14.91
29	-11.1	-27.2	-19.2	100	36	68	-23.6	2.1	9.8	180	Ovc			40.6			17.43
Avg/TOTAL			-14.0*			75.6*	-17.5	1.4		SSE		14.50	15.2				318.57

*Avg based on 27 days data

Allagash, Maine
Monthly Meteorological Summary

MARCH 1980

Date	Temperature (°C) Max	Min	Mean	Rel. Humidity % Max	Min	Mean	Dew Point °C	Winds (M/S) Avg Daily Speed	Peak Gust	Deg. Avg Daily Dir	Sky Cover	Precip (mm)	Snow Fall (cm)	Snow Depth (cm)	Duration of Liquid Precip. Type	Dur.	Rad. (W/cm²)
1	-10.3	-24.4	-17.4	98	40	69	-21.7	2.6	10.8	140	Clr			40.6			19.32
2	-6.7	-31.1	-18.9	100	28	64	-24.0	1.0	5.7	150	Clr			40.6			19.53
3	-0.6	-28.3	-14.5	100	30	65	-19.6	0.5	5.7	160	Clr			40.6			20.58
4	-1.1	-22.8	-11.9	100	53	76	-15.4	1.5	8.2	140	Ovc			40.6			17.85
5	-1.7	-13.9	-7.8	100	62	81	-10.5	1.0	5.7	030	Ovc	2.50	2.5	43.2		12	8.61
6	-0.7	-17.8	-9.3	100	42	71	-13.5	2.1	10.3	110	Ovc	2.00	2.5	45.7		4	10.29
7	-1.1	-17.8	-9.5	100	53	76	-13.0	1.5	8.2	120	Sct	.25	1.3	45.7		1	13.44
8	-4.4	-21.7	-13.1	100	78	89	-14.6	0.5	2.6	300	Ovc			43.2			7.35
9	-0.7	-13.3	-7.0	100	66	83	-9.5	0.5	3.1	320	Ovc	8.00	7.6	48.3		12	10.71
10	2.2	-22.8	-10.3	100	54	77	-13.5	1.0	3.1	110	Clr	.50	2.5	48.3		2	18.48
11	0.6	-11.9	-5.7	100	78	89	-7.2	2.1	11.8	360	Ovc	10.00	7.6	55.9		12	1.89
12	-13.0	-18.9	-15.9	86	56	71	-20.0	3.1	12.4	200	Ovc	3.00	2.5	55.9		2	14.07
13	-2.8	-29.2	-16.0	100	34	67	-20.7	0.5	2.1	220	Clr			53.3			24.36
14	-7.2	-10.0	-8.6	100	100	100	-8.6	1.5	7.2	040	Ovc	10.00	7.6	61.0		10	3.36
15	-6.1	-14.4	-10.3	100	65	82	-12.8	2.6	16.0	260	Ovc	7.00	7.6	66.0		16	18.48
16	-4.4	-21.4	-12.9	100	36	68	-17.6	2.1	8.2	290	Clr			66.0			27.07
17	-2.8	-22.8	-12.8	100	28	64	-18.2	1.0	7.7	080	Ovc	4.00		53.3	rain	4	22.05
18	6.7	-15.0	-4.2	100	52	76	-7.7	1.5	12.4	010	Ovc	24.00		50.8	rain	14	5.04
19	7.2	-11.1	-3.9	100	35	68	-8.9	2.1	14.4	170	Clr			50.8			28.56
20	-1.7	-20.0	-10.9	100	32	66	-16.1	0.5	3.1	300	Sct			50.8			19.32
21	4.4	-14.4	-5.0	100	20	60	-11.6	1.5	9.3	320	Clr			45.7			23.73
22	8.9	-11.7	-1.4	100	54	77	-4.9	2.6	10.3	300	Ovc			43.2			24.36
23	6.7	-1.1	2.2	100	54	77	-1.4	1.5	7.7	260	Ovc			43.2			17.22
24	7.2	-11.7	-2.3	100	50	75	-6.1	0.5	4.1	300	Ovc			38.1			10.50
25	5.6	-5.0	0.3	100	55	78	-3.1	1.0	7.7	310	Ovc		5.1	43.2		2	11.76
26	3.9	-1.1	1.4	100	100	100	1.4	1.0	4.6	300	Ovc	5.00		38.1	rain	14	11.13
27	3.3	-1.9	0.7	100	52	76	-3.0	0.5	2.1	290	Ovc			35.6			17.85
28	6.1	-8.3	-1.1	100	32	66	-6.6	0.5	4.1	170	Clr			30.5			19.74
29	10.6	-3.9	3.4	100	28	64	-2.7	1.0	4.1	180	Clr			22.9			28.77
30	10.0	-9.4	0.3	100	26	63	-5.9	1.0	7.7	270	Clr			20.3			33.39
31	7.2	-10.6	-1.7	100	29	64	-7.6	1.0	6.2	220	Clr			20.3			31.08
Avg/TOTAL			-7.2			74.2	-11.1	1.3		NW&SE		76.25	46.8				539.89

Allagash, Maine
Monthly Meteorological Summary

APRIL 1980

Date	Temperature (°C)			Rel. Humidity %			Dew Point °C	Winds (M/S)		Deg.	Sky Cover	Precip (mm)	Snow Fall (cm)	Snow Depth (cm)	Duration of Liquid Precip.		Rad. (W/cm^2)
	Max	Min	Mean	Max	Min	Mean		Avg Daily Speed	Peak Gust	Avg Daily Dir					Type	Dur.	
1	6.7	-11.7	-2.5	100	24	62	-8.8	0.5	5.1	160	Clr			15.2			31.29
2	10.6	-7.8	1.4	100	26	63	-4.9	1.0	6.2	180	Clr			10.2			27.51
3	12.2	-6.7	2.8	100	37	68	-2.5	1.0	4.6	160	Sct			5.1			29.82
4	12.2	-7.8	2.2	100	37	68	-3.0	1.5	7.7	330	Sct	2.5		0.0	rain	7	14.70
5	6.7	-2.2	2.3	100	51	76	-1.5	1.0	5.7	170	Ovc						11.13
6	4.4	-6.7	-1.2	88	25	56	-8.8	1.0	8.2	200	Clr						38.85
7	1.1	-12.8	-5.9	100	24	62	-12.0	3.1	9.3	050	Clr						32.13
8	9.4	-5.6	1.9	100	42	71	-2.8	2.1	8.2	090	Sct						32.97
9	12.8	1.1	7.0	100	54	77	3.3	1.5	6.2	130	Ovc						15.75
10	13.3	0.6	7.0	100	70	85	4.6	2.6	8.2	040	Ovc	10.0			rain	12	11.76
11	7.2	0.6	3.9	100	87	94	3.0	0.5	5.7	160	Ovc	1.5			rain	1	10.92
12	8.3	-1.7	3.3	100	47	74	-0.9	2.1	10.8	160	Ovc						28.35
13	11.1	1.1	6.1	100	52	76	2.2	1.5	10.8	150	Ovc	3.0			rain	6	17.85
14	8.9	0.0	4.5	100	32	66	-1.3	M	M	M	Ovc	1.0			rain	1	35.49
15	14.4	2.2	8.3	100	89	94	7.4	M	M	M	Ovc	12.0			rain	8	7.98
16	10.6	1.7	4.5	100	72	86	2.4	M	M	240	Ovc						13.86
17	5.6	-7.8	-1.1	100	17	58	-8.3	2.1	8.2	240	Clr						43.89
18	6.1	-4.4	0.8	100	50	75	-3.1	2.1	8.2	230	Sct						22.94
19	7.2	-8.3	-0.6	100	14	57	-8.0	1.5	6.2	210	Clr						M
20	11.1	-6.1	2.5	100	28	64	-3.5	2.1	8.8	150	Ovc	5.5			rain	4	15.96
21	16.1	-1.7	3.7	100	34	67	-1.8	1.5	8.8	230	Ovc						15.12
22	1.7	-10.0	-4.2	100	63	82	-6.°	2.6	9.3	340	Ovc	1.5			rain	6	7.77
23	6.7	-3.9	1.4	100	86	93	0.4	3.1	8.8	330	Ovc	2.5			rain	8	19.53
24	6.1	1.7	3.9	100	66	83	1.2	2.6	6.7	340	Ovc	0.5			rain	1	13.23
25	12.2	3.9	8.1	100	61	80	4.9	2.1	5.1	350	Clr						8.40
26	9.4	4.4	6.9	100	79	90	5.3	0.5	5.1	350	Sct	7.5			rain	4	12.60
27	16.1	-5.6	5.3	100	80	90	3.9	1.0	5.7	330	Clr	1.5			rain	3	44.10
28	10.0	-2.2	3.9	100	26	63	-2.5	1.0	8.2	350	Clr						42.84
29	16.1	-5.6	5.3	100	12	56	-2.7	1.0	6.7	060	Clr						12.60
30	21.7	-5.0	8.4	100	42	71	3.5	calm	0.5	calm	Ovc						
Avg/TOTAL			3.0			73.6	-1.4	1.6*		NW&S*		49.0					662.81

*Avg based on 28 days data

Allagash, Maine
Monthly Meteorological Summary

MAY 1980

Date	Temperature (°C)			Rel. Humidity %			Dew Point °C	Winds (M/S)		Deg.	Sky Cover	Precip (mm)	Snow Fall (cm)	Snow Depth (cm)	Duration of Liquid Precip.		Rad. (W/cm^2)
	Max	Min	Mean	Max	Min	Mean		Avg Daily Speed	Peak Gust	Avg Daily Dir					Type	Dur.	
1	18.9	-1.7	8.6	100	22	61	1.5	1.0	5.7	340	Sct						33.39
2	23.3	-0.6	11.4	100	18	59	3.7	1.5	5.7	360	Clr						41.58
3	23.3	-3.3	10.0	100	22	61	2.9	1.5	7.2	240	Clr						42.21
4	20.6	-2.8	8.9	100	34	67	3.2	2.6	9.8	270	Clr						39.69
5	10.0	-6.7	1.7	100	33	66	-4.0	1.5	7.7	310	Sct						33.18
6	12.8	-2.8	5.0	100	44	72	0.3	2.1	8.2	010	Ovc						27.72
7	14.4	2.8	8.6	100	97	98	8.3	1.5	6.2	360	Ovc	5.25			rain	9	5.46
8	6.1	2.8	4.5	100	76	88	2.7	1.0	4.1	030	Ovc	5.25			rain	9	14.28
9	9.4	3.3	6.4	100	42	71	1.5	1.0	5.1	210	Ovc	2.50			rain	4	29.61
10	13.3	-0.6	6.4	100	35	68	0.9	2.1	9.3	160	Sct						38.22
11	15.6	-2.2	6.8	100	22	61	-0.3	2.1	12.4	150	Clr						44.10
12	22.2	9.4	15.8	100	25	62	8.5	1.5	9.3	180	Ovc						41.16
13	21.1	-1.7	9.7	100	33	66	3.6	1.0	5.1	230	Sct	6.25			rain	6	30.66
14	18.9	3.3	11.1	100	56	78	7.5	0.5	4.6	260	Ovc	6.00			rain	10	38.43
15	13.3	-1.1	6.1	100	32	66	0.3	1.0	7.7	160	Clr						38.85
16	17.8	-0.6	8.6	100	21	60	1.3	2.1	12.9	230	Clr						52.50
17	19.4	-3.3	8.1	100	19	60	0.8	1.0	5.1	180	Clr						48.00
18	21.1	-0.6	10.8	100	23	62	3.9	2.1	12.4	110	Sct	2.50			rain	3	27.51
19	22.2	9.4	15.8	100	35	68	10.0	1.5	7.7	200	Ovc	6.25			rain	9	41.58
20	19.4	-1.7	8.9	100	23	62	2.0	1.0	6.2	260	Clr						44.73
21	21.1	0.6	10.9	100	22	61	3.6	2.6	12.4	210	Clr						44.73
22	27.2	2.8	15.0	100	39	70	9.6	2.1	11.3	290	Sct						49.14
23	19.4	-0.6	9.4	100	26	63	2.8	1.0	6.2	320	Clr						46.62
24	20.0	-1.7	9.2	100	26	63	2.5	1.5	8.2	330	Clr						47.04
25	20.0	0.0	10.0	100	35	68	4.4	1.5	9.8	330	Clr						42.63
26	12.2	2.8	7.5	100	56	78	3.9	2.1	9.8	310	Ovc						28.77
27	11.7	2.8	7.3	100	57	78	3.8	2.1	7.2	270	Sct						27.72
28	11.7	3.9	7.8	100	38	69	2.5	1.0	6.7	300	Sct						25.20
29	15.0	-1.1	7.0	100	29	64	0.6	1.5	10.7	290	Clr						46.41
30	20.0	-1.7	9.2	100	21	60	1.9	1.0	8.2	210	Clr						47.25
31	25.6	4.4	15.0	100	45	72	10.0	1.0	8.2	210	Clr	1.25			rain	2	28.35
Avg/TOTAL			9.1			67.8	3.4	1.5		NW & SE		35.25					1146.72

APPENDIX B. Snow property data for Allagash.

Table B1. 1977-78 data.

Date	Site 1			Site 3			Site 4			Site 5			Site 7			Site 9			Site 10			Site 11			Site 12			Site 13			Site 15		
	Depth (cm)	WE (cm)	Den (g/cm^3)	Depth (cm)	WE (cm)	Den (g/cm^3)	Depth (cm)	WE (cm)	Den (g/cm^3)	Depth (cm)	WE (cm)	Den (g/cm^3)	Depth (cm)	WE (cm)	Den (g/cm^3)	Depth (cm)	WE (cm)	Den (g/cm^3)	Depth (cm)	WE (cm)	Den (g/cm^3)	Depth (cm)	WE (cm)	Den (g/cm^3)	Depth (cm)	WE (cm)	Den (g/cm^3)	Depth (cm)	WE (cm)	Den (g/cm^3)	Depth (cm)	WE (cm)	Den (g/cm^3)
12/20/77-12/21/77	40.1	6.1	0.152	40.4	6.1	0.151	29.7	2.8	0.094	43.7	7.9	0.181	41.6	7.1	0.171	46.2	8.4	0.181													39.6	5.6	0.141
Snow pit			0.194															0.181														
1/7/78-1/8/78	45.7	7.4	0.162	39.9	7.1	0.178	29.2	3.8	0.130	45.0	9.1	0.203	39.9	6.1	0.153	50.8	8.1	0.159	46.5	9.6	0.206	46.5	8.9	0.191	45.7	7.4	0.161	46.0	7.6	0.166	42.7	6.4	0.149
Snow pit			0.178															0.198														0.202
1/25/78-1/26/78	76.2	15.7	0.206	63.5	14.0	0.220	50.8	6.4	0.125	66.0	15.7	0.238	73.7	16.5	0.224	75.7	14.7	0.195	69.1	17.3	0.250	65.5	18.0	0.275	67.8	18.1	0.270	68.1	18.3	0.268	68.1	12.9	0.190
Snow pit			0.185															0.233														0.224
2/12/78-2/13/78	77.5	21.8	0.281	69.8	17.3	0.248	55.4	10.7	0.193	83.0	25.9	0.312	74.2	21.3	0.287	72.4	20.8	0.288	75.7	22.5	0.295	70.4	22.1	0.314	74.2	22.9	0.308	77.0	24.4	0.317	75.4	18.8	0.249
Snow pit			0.226															0.239														0.242
3/2/78-3/3/78	74.4	21.8	0.293	67.8	17.5	0.258	51.6	11.4	0.221	80.8	25.6	0.318	72.9	21.8	0.300	69.8	19.3	0.277	74.2	20.3	0.274	66.5	18.0	0.271	71.6	20.3	0.284	75.4	25.6	0.313	74.2	18.5	0.250
Snow pit			0.306															0.320														0.257
3/20/78-3/21/78	88.4	30.0	0.339	82.0	24.9	0.304	67.3	17.0	0.253	91.4	30.5	0.333	90.2	27.9	0.310	79.5	26.4	0.332	90.2	27.7	0.307	83.8	28.2	0.336	90.2	29.7	0.329	86.4	28.7	0.332	85.8	24.6	0.287
Snow pit			0.279															0.303														0.328
4/7/78-4/8/78	111.8	34.5	0.309	94.5	29.2	0.309	78.0	18.3	0.234	106.7	36.1	0.338	100.3	34.0	0.339	99.6	33.0	0.331	102.4	32.2	0.315	95.2	34.3	0.360	102.1	33.5	0.328	100.8	32.5	0.322	98.3	30.0	0.305
Snow pit			0.326															0.366														0.333
4/12/78-4/13/78	97.0	31.0	0.319	84.6	25.4	0.300	71.9	16.8	0.233	92.2	30.0	0.325	101.1	31.0	0.306	90.9	34.8	0.383	91.9	26.9	0.293	86.4	29.7	0.344	93.5	30.0	0.321	87.6	25.4	0.290	85.6	27.2	0.318
Snow pit			0.386															0.426														0.392
4/19/78-4/20/78	74.9	24.6	0.329	72.9	21.6	0.296	65.5	14.5	0.221	88.4	27.2	0.307	85.1	27.2	0.319	78.0	27.4	0.352	80.5	25.9	0.322	82.0	25.9	0.316	80.8	24.9	0.308	79.2	21.6	0.273	75.1	22.4	0.298
Snow pit			0.480															0.444														0.408
4/26/78-4/27/78	37.3	9.6	0.259	48.5	12.2	0.252	41.9	8.4	0.200	64.0	19.0	0.298	65.3	18.5	0.283	40.1	10.7	0.266	60.2	15.2	0.255	49.5	14.7	0.298	56.6	15.2	0.269	52.8	11.9	0.207	44.4	13.2	0.297
Snow pit			0.490															0.471														0.480
5/3/78	No snow			55.0	10.7	0.304	31.3	5.6	0.180	----------Sites inaccessible due to muddy roads----------																				27.4	8.1	0.296
Snow pit																																	0.543

Table B2. 1978-79 data.

Date	Site 1			Site 3			Site 4			Site 5			Site 7			Site 9			Site 10			Site 11			Site 12			Site 13			Site 15		
	Depth (cm)	WE (cm)	Den (g/cm^3)	Depth (cm)	WE (cm)	Den (g/cm^3)	Depth (cm)	WE (cm)	Den (g/cm^3)	Depth (cm)	WE (cm)	Den (g/cm^3)	Depth (cm)	WE (cm)	Den (g/cm^3)	Depth (cm)	WE (cm)	Den (g/cm^3)	Depth (cm)	WE (cm)	Den (g/cm^3)	Depth (cm)	WE (cm)	Den (g/cm^3)	Depth (cm)	WE (cm)	Den (g/cm^3)	Depth (cm)	WE (cm)	Den (g/cm^3)	Depth (cm)	WE (cm)	Den (g/cm^3)
12/6/78 Snow Pit																			19.6	5.6	0.181	19.3	2.8	0.145	11.2	1.8	0.159	19.0	02.8	0.147 0.164			
12/15/78 Snow pit	28.9	4.6	0.158 0.152	24.1	4.3	0.179	18.5	2.5	0.137	35.0	4.6	0.131	35.0	4.8	0.136 0.156	33.0	5.0	0.392 0.150												33.5	3.8	0.114
12/24/78 Snow pit	61.5	8.1	0.132 0.155																55.1	7.4	0.134	59.7	8.1	0.136	45.2	3.8	0.084	60.4	7.6	0.125 0.192			
1/11/79 Snow pit	64.3	15.7	0.245 0.218	57.9	14.7	0.254	43.7	12.7	0.291	67.8	16.0	0.236	67.2	13.5	0.216	65.3	16.0	0.245 0.202												60.4	13.5	0.223
1/20/79 Snow pit	71.1	--	-- 0.247																70.4	17.3	0.245	72.4	19.6	0.270	55.1	10.2	0.184	69.1	16.5	0.239 0.231			
1/29/79 Snow pit	72.4	20.1	0.277 0.246	59.2	13.2	0.223	58.4	17.3	0.296	66.8	17.8	0.266	65.5	17.8	0.271	72.9	21.6	0.296 0.381														
2/7/79 Snow pit	81.8	22.9	0.279 0.232																93.2	25.6	0.253	85.1	23.6	0.277	58.9	13.7	0.232	90.2	22.3	0.248 0.250			
2/16/79 Snow pit	74.9	25.6	0.315 0.246	69.3	21.1	0.304	56.4	19.1	0.338	76.7	25.9	0.338	69.3	22.1	0.319	74.2	23.4	0.315 0.253												72.9	21.6	0.296
2/25/79 Snow pit	77.0	20.3	0.264 0.263																81.3	25.9	0.319	83.3	24.9	0.299	61.5	14.7	0.239	85.1	25.4	0.298 0.250			
3/6/79 Snow pit				62.2	17.8	0.286	50.3	19.6	0.389	12.4	21.6	0.298	66.8	18.3	0.274	69.3	19.6	0.282 0.294												70.6	21.6	0.306
3/15/79 Snow pit	67.8	17.0	0.251 0.296																68.1	22.9	0.336	64.3	24.6	0.383	46.2	14.0	0.302	70.6	22.9	0.324 0.319			
3/24/79 Snow pit	53.3	21.1	0.395 0.397	41.9	16.0	0.382	41.1	14.7	0.358	55.3	21.1	0.395	51.6	16.5	0.320	42.4	18.5	0.437 0.336												57.9	19.0	0.329
4/2/79 Snow pit	24.1	7.6	3.16 0.420																27.9	11.9	0.428	27.2	10.7	0.392	14.7	5.6	0.380	33.5	12.2	0.364 0.380			
4/11/79 Snow pit	67.3	17.0	0.253 0.350	71.1	21.6	0.304	46.2	9.4	0.203	71.6	20.8	0.290	71.6	18.5	0.259															73.1	22.1	0.302
4/20/79 Snow pit	30.5	13.2	0.433 0.436																17.3	8.9	0.514	26.7	12.2	0.457	13.5	6.9	0.511	22.3	10.7	0.478 0.456			

Table B3. 1979-80 data.

Date	Site 1 Depth (cm)	Site 1 WE (cm)	Site 1 Den (g/cm³)	Site 3 Depth (cm)	Site 3 WE (cm)	Site 3 Den (g/cm³)	Site 4 Depth (cm)	Site 4 WE (cm)	Site 4 Den (g/cm³)	Site 5 Depth (cm)	Site 5 WE (cm)	Site 5 Den (g/cm³)	Site 7 Depth (cm)	Site 7 WE (cm)	Site 7 Den (g/cm³)
12/19/79- 12/21/79	14.0	2.5	0.164	12.7	1.0	0.080	9.6	0.2	0.021	18.5	2.5	0.137	18.1	2.5	0.138
Snow pit			0.140												
1/6/80- 1/7/80	26.2	3.8	0.145	26.2	4.6	0.175	20.8	4.8	0.231	37.3	7.1	0.190	40.6	6.4	0.156
Snow pit			0.129												
1/24/80- 1/25/80	38.9	6.6	0.170	41.4	6.4	0.153	31.0	5.6	0.180	51.3	9.6	0.188	50.3	9.6	0.192
Snow pit			0.162												
2/11/80- 2/12/80	32.5	5.6	0.172	38.6	7.4	0.191	27.4	3.8	0.139	52.6	11.4	0.217	46.5	10.7	0.229
Snow pit			0.257												
2/28/80 2/29/80	49.5	10.2	0.205	43.9	10.2	0.231	37.6	5.8	0.155	62.2	11.4	0.184	57.9	10.9	0.189
Snow pit			0.248												
3/18/80- 3/19/80	77.0	19.0	0.247	52.6	12.7	0.241	49.5	10.9	0.220	77.5	19.0	0.246	71.1	16.8	0.236
Snow pit			0.248												
3/28/80- 3/29/80	44.4	12.7	0.286	43.7	10.7	0.244	31.8	6.8	0.216	55.4	16.0	0.289	52.1	12.7	0.244
Snow pit			0.366												
4/5/80- 4/6/80	25.4	8.9	0.380	39.9	11.9	0.299	24.6	5.1	0.206	46.2	14.5	0.313	34.8	9.6	0.277
Snow pit			0.410												
4/9/80- 4/13/80	15.2	3.3	0.250	27.2	9.6	0.355	17.3	3.8	0.221	36.8	12.7	0.345	17.8	4.3	0.243
Snow pit															

Date	Site 9 Depth (cm)	Site 9 WE (cm)	Site 9 Den (g/cm³)	Site 10 Depth (cm)	Site 10 WE (cm)	Site 10 Den (g/cm³)	Site 11 Depth (cm)	Site 11 WE (cm)	Site 11 Den (g/cm³)	Site 12 Depth (cm)	Site 12 WE (cm)	Site 12 Den (g/cm³)	Site 13 Depth (cm)	Site 13 WE (cm)	Site 13 Den (g/cm³)	Site 15 Depth (cm)	Site 15 WE (cm)	Site 15 Den (g/cm³)
12/19/79- 12/21/79	21.0	2.5	0.120	19.0	2.5	0.133	18.5	2.3	0.123	9.4	0.0	--	19.8	2.3	0.115 0.144	17.0	2.5	0.149
Snow pit			0.128															
1/6/80- 1/7/80	30.0	4.8	0.161	36.3	7.1	0.196	34.3	5.8	0.170	18.3	3.3	0.181	41.9	8.6	0.206 0.127	42.7	8.1	0.190
Snow pit			0.152															
1/24/80- 1/25/80	48.3	9.4	0.19[illegible]	50.0	9.9	0.198	46.5	8.9	0.191	30.0	4.6	0.152	56.6	12.9	0.229 0.234	46.2	9.6	0.209
Snow pit			0.181															
2/11/80- 2/12/80	38.6	8.1	0.210	47.5	11.9	0.251	45.0	9.6	0.215	29.2	7.6	0.261	44.4	10.2	0.228 0.269	42.7	8.9	0.208
Snow pit			0.207															
2/28/80 2/29/80	47.5	11.9	0.251	59.2	11.9	0.202	66.5	15.2	0.198	37.3	10.2	0.272	75.7	18.3	0.242 0.245	67.8	14.[illegible]	[illegible]
Snow pit			0.209															
3/18/80- 3/19/80	66.5	15.5	0.202	71.9	18.3	0.254	56.6	17.0	0.300	37.6	10.2	0.270	50.0	12.2	0.244 0.326	60.4	12.[illegible]	[illegible]
Snow pit			0.225															
3/28/80- 3/29/80	42.4	14.0	0.329	61.7	16.8	0.272												
Snow pit			0.321															
4/5/80- 4/6/80	19.6	5.1	0.260	29.2	11.4	0.390	40.1	15.2	0.380	19.8	6.9	0.346	32.2	13.2	0.409 0.420	46.5	11.4	0.246
Snow pit			0.420															
4/9/80- 4/13/80				24.9	9.1	0.367	31.2	10.2	0.325	10.9	3.0	0.275	22.3	8.9	0.598 0.420	27.9	7.1	0.255
Snow pit																		

Table B4. Additional data from site 1.

[illegible] Date	Depth	WE	Density	Snow pit Density
[illegible]	[illegible]	5.5	[illegible]	--
[illegible]	[illegible]	7.4	[illegible]	[illegible]
[illegible]	54.1	[illegible]	[illegible]	[illegible]
[illegible]	[illegible]	[illegible]	[illegible]	--
[illegible]	[illegible]	11.5	[illegible]	[illegible]
[illegible]	[illegible]	14.5	[illegible]	0.214
[illegible]	[illegible]	27.1	[illegible]	[illegible]
[illegible]	[illegible]	[illegible]	[illegible]	0.264
[illegible]	[illegible]	25.6	[illegible]	[illegible]
[illegible]	[illegible]	25.9	[illegible]	[illegible]
[illegible]	[illegible]	[illegible]	[illegible]	[illegible]
[illegible]	[illegible]	[illegible]	[illegible]	[illegible]

1978-1979 Date	Depth	WE	Density	Snow pit Density
[illegible]	[illegible]	[illegible]	[illegible]	[illegible]
12-11	[illegible]	2.5	[illegible]	[illegible]
[illegible]	[illegible]	[illegible]	[illegible]	[illegible]
[illegible]	[illegible]	13.2	[illegible]	0.244
[illegible]	[illegible]	[illegible]	[illegible]	[illegible]
[illegible]	[illegible]	[illegible]	[illegible]	[illegible]
[illegible]	[illegible]	22.4	[illegible]	[illegible]
[illegible]	88.4	[illegible]	[illegible]	[illegible]
[illegible]	[illegible]	[illegible]	[illegible]	[illegible]
[illegible]	74.4	[illegible]	[illegible]	[illegible]
[illegible]	[illegible]	24.6	[illegible]	[illegible]
[illegible]	[illegible]	17.8	[illegible]	[illegible]
[illegible]	[illegible]	[illegible]	[illegible]	[illegible]
[illegible]	[illegible]	[illegible]	0.464	[illegible]
[illegible]	[illegible]	[illegible]	0.262	0.256
[illegible]	[illegible]	19.8	0.368	[illegible]
[illegible]	16.5	8.1	0.443	[illegible]

[illegible] Date	Depth	WE	Density	Snow pit Density
[illegible]	[illegible]	[illegible]	[illegible]	[illegible]
[illegible]	28.4	4.[illegible]	[illegible]	[illegible]
[illegible]	[illegible]	[illegible]	[illegible]	[illegible]
[illegible]	[illegible]	[illegible]	[illegible]	[illegible]
[illegible]	[illegible]	[illegible]	[illegible]	[illegible]
[illegible]	[illegible]	[illegible]	[illegible]	[illegible]
[illegible]	[illegible]	[illegible]	[illegible]	[illegible]
[illegible]	52.1	[illegible]	[illegible]	[illegible]
[illegible]	48.9	[illegible]	[illegible]	[illegible]
[illegible]	[illegible]	[illegible]	[illegible]	[illegible]
[illegible]	[illegible]	[illegible]	[illegible]	[illegible]
[illegible]	[illegible]	14.[illegible]	[illegible]	[illegible]
[illegible]	[illegible]	[illegible]	[illegible]	[illegible]

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